

# AC's GUIDE *To The Commodore* AMIGA

Winter '92

U S \$9.95 Canada \$11.95

**From A3000T  
to CDTV**

**Your Complete Guide To:**

**Over 3100 products**

**685 Vendors**

**375 User's Groups**

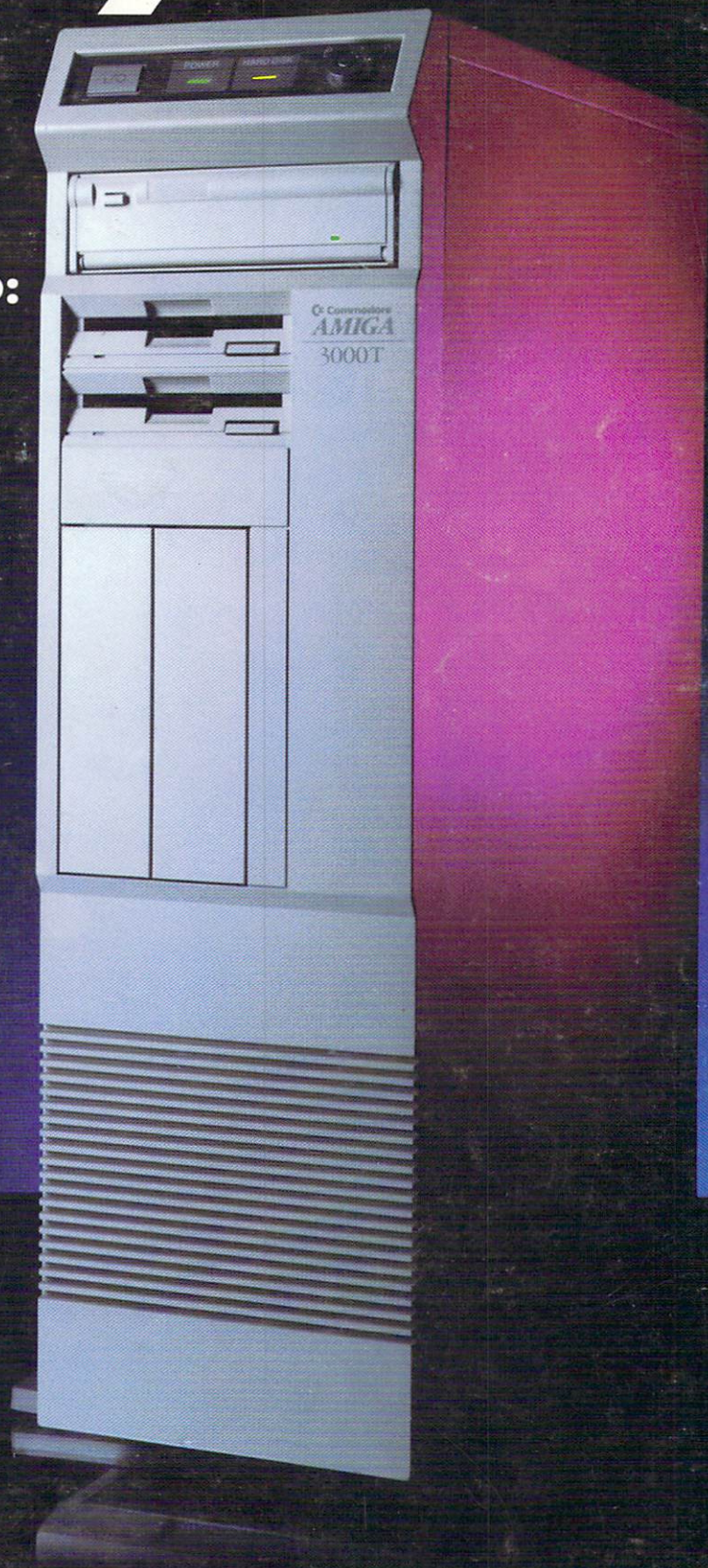
**NEW TOASTER SECTION**

◆ **Indicates**  
**New Products and Vendors**

② **Special identification for**  
**AmigaDOS 2.0**  
**compatible products**

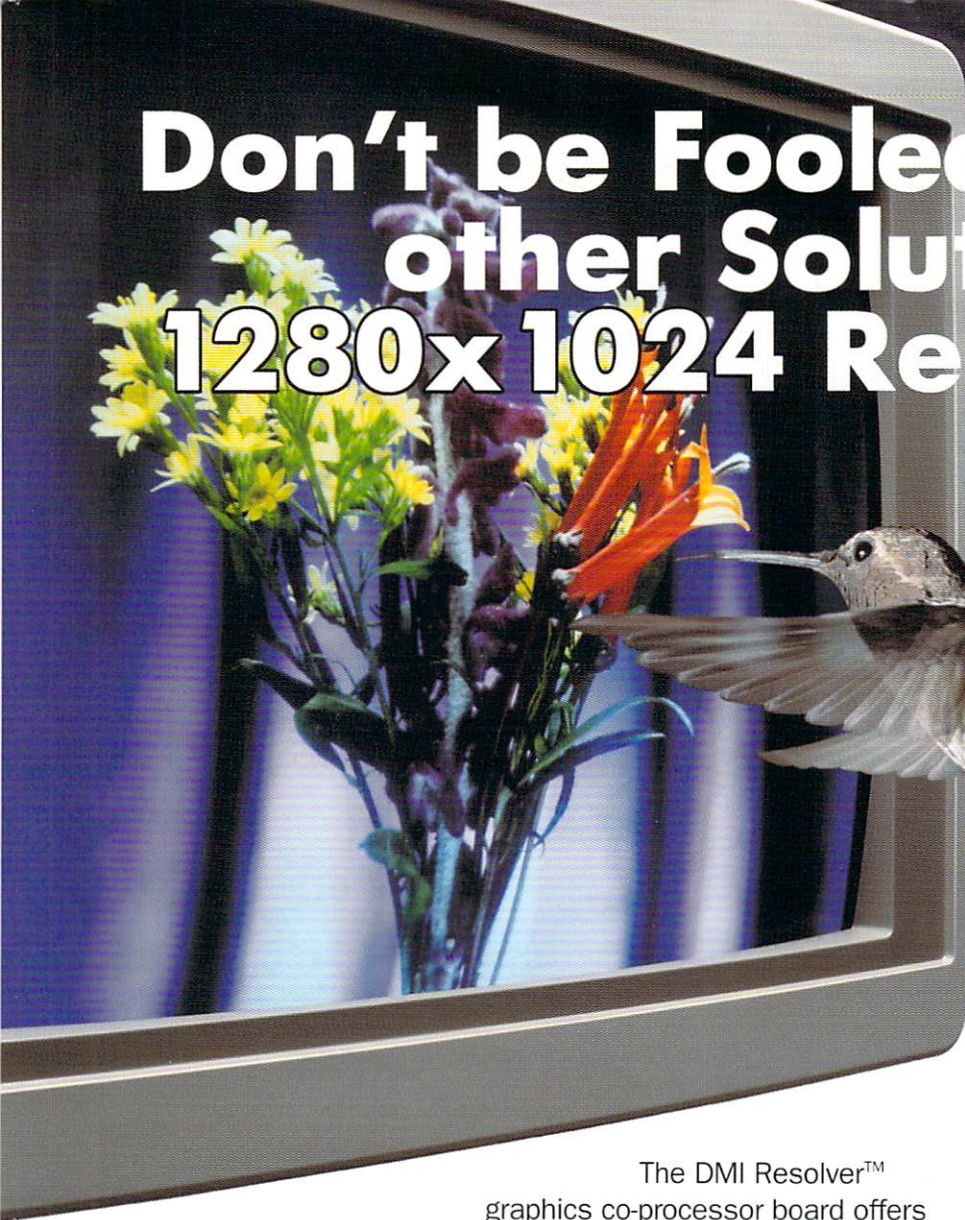
**CATFISH Categories**

**Catalog of Over 2700**  
**Most Recent Freely**  
**Redistributable Software**  
**Programs**





# Don't be Fooled by any other Solution. 1280x1024 Resolution.



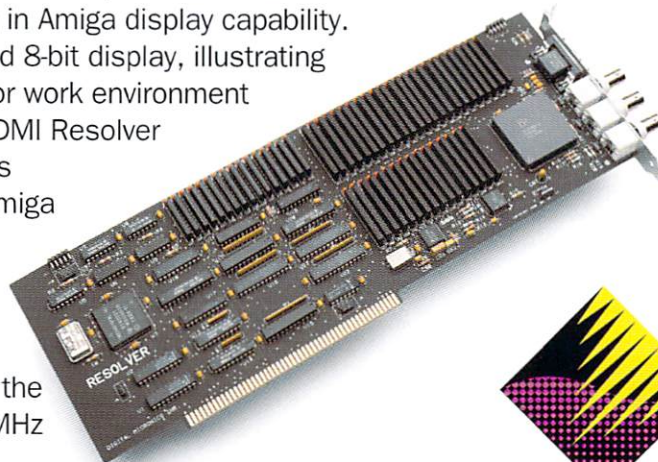
## **DMI Resolver™**

- 1280x1024 Resolution
- 8-bit Color Graphics
- 16-million Color Palette
- 60MHz Processor
- Programmable Resolution

The DMI Resolver™ graphics co-processor board offers a new dimension in Amiga display capability.

Shown above is an unretouched 8-bit display, illustrating the 1280x1024 resolution color work environment provided by the Resolver. The DMI Resolver boosts the display and graphics processing capabilities of all Amiga A2000 and A3000 series computers, under both AmigaDOS and UNIX operating systems. Not to be confused with a frame buffer or grabber, the Resolver is a lightning fast 60MHz graphics co-processor.

Whatever your application - desktop publishing, presentation graphics, animation, 3D modeling, ray tracing, rendering, CAD - let the Resolver move you into a new realm of resolution and workstation quality display.



## **Digital Micronics, Inc.**

5674 El Camino Real, Suite P  
Carlsbad, CA 92008

Tel: (619) 431-8301 • FAX: (619) 931-8516

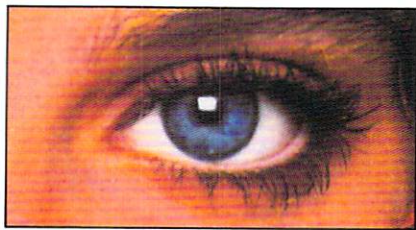
Call for more information and the dealer nearest you.

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UNIX is a registered trademark of AT&T

**Circle 108 on Reader Service card.**



# WHAT HAS 16M COLORS, 24-BIT FRAME BUFFER + GENLOCK + FRAMEGRABBER + FLICKER-ELIMINATOR + PIP + VIDEO TITLER + 3D MODELLING SYSTEM?



**If you're into video, IMPACT VISION-24 is truly a dream come true for your A3000 or A2000. It is the first multi-function peripheral specifically designed for the A3000's video expansion slot.**

**With the optional A2000 genlock slot adaptor kit, it also perfectly complements and enhances the A2000.**

**Check out these features, all packed on a single Amiga® expansion board!**



► **Separate Composite and Component Video (RGB+Sync) Genlocks.** RGB genlock operates in the digital domain, for digitally perfect

production studio quality mixing: no color bleeding, no ghosting, no artifacts . . .!

► **1.5MB Frame Buffer.** Display 24-bit, 16 million color images on your Amiga monitor. On a multi-sync monitor, you can even display 16 million color images in non-interlaced mode!

► **Realtime Framegrabber/Digitizer.** Freeze, grab and store (in standard 4096 or 16 million color IFF format) any frame from a "live" incoming RGB video source. Optional "RGB splitter" required to grab incoming composite or S-VHS video.

► **Flicker-Eliminator.** Duplicates and enhances the A3000's display enhancer circuitry. It even de-interlaces live external video! A must for any A2000 owner. Ask about our A2000 "genlock slot trade-up" program (in case your genlock slot is already used by something less exciting!)



► **Simultaneous Component Video (RGB) Out, Composite Video Out and S-VHS Video Out.** Now, anything you can see on your Amiga monitor can be recorded on video tape,

## Introducing the IMPACT VISION 24™ from GVP The All-In-One Video Peripheral for the A3000 and A2000

including animations, ray-traced 24-bit images and more!

► **Picture-In-Picture (PIP) Display.** Freeze, resize, rescale and/or reposition live incoming RGB video just like any workbench window at the double click of a mouse or the pressing of a "hot key". With a multi-sync all this can even be in rock steady de-interlaced mode. Unique "reverse-PIP" feature, even allows you to place a fully functional Amiga workbench (or other application) screen as a SCALE-ABLE (shrunk down!) and re-positionable window over full-screen live video.

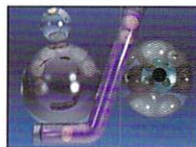
► To make sure you can take full and immediate advantage of every feature of your new Impact Vision 24 video-station, we even include the following software with every unit:

- **Caligari-IV24.** An exclusive version of the leading broadcast quality, 3-D modelling and rendering program. Use your imagination to model 3D, 16 million color, scenes. Use your digitized video images as textures to wrap around any object! The mind is the limit!
- **SCALA-Titling.** Easy-to-learn, video titling package complete with lots of special fonts and exciting special transition effects. Turn your Amiga into a character generator.
- **MACROPAINT-IV24.** A 2D, 16 million color paint program that lets you have fun



creating or manipulating any 16 million color, 24-bit image.

- **Control Panel.** Provides full software control over all Impact Vision-24's numerous features. Use your mouse or simply

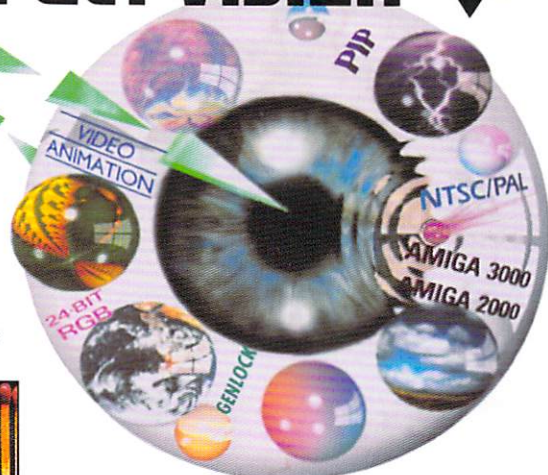


press a (configurable) "hot key" to activate any feature.

At GVP, we wanted to make a major impact on the use of the A3000/2000 by professional video enthusiasts. With the Impact Vision-24 we have!

For more information on how the Impact Vision 24 can have a major impact on your video productions, call us at 215-337-8770.

# IMPACT VISION 24



## GVP

**GREAT VALLEY PRODUCTS, INC.**  
600 Clark Ave., King of Prussia, PA 19406  
For more information or your nearest GVP dealer, call today. Dealer inquiries welcome.  
Tel. (215) 337-8770 • FAX (215) 337-9922

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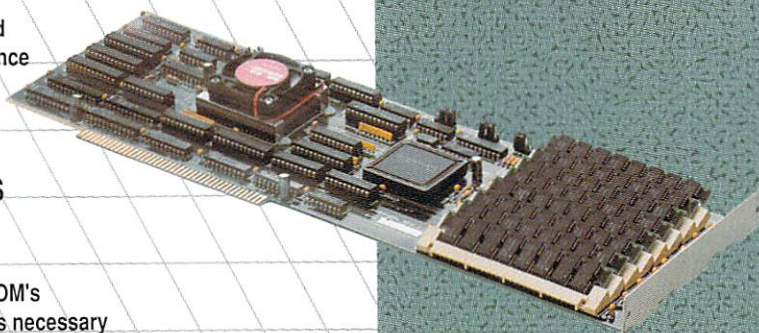


# O4O

NOW SHIPPING!

## 68040 ACCELERATORS FOR THE AMIGA 2000 AND 3000 SERIES COMPUTERS

- 25 MHz Motorola 68040 with built-in math coprocessor for speed and power
- Easy to install - plugs into Amiga 2000 or 3000 processor slot
- 19.2 MIPS (Million Instructions Per Second) performance at 25 MHz
- Processor cooled by whisper-quiet micro-fan for reliable performance
- Software compatible with all 68000 family processors
- 3.5 MFLOPS Double-Precision Floating Point Performance
- Separate 4K Data and 4K Instruction Caches
- Full support of 68040 "Copyback" mode for increased speed
- Relocates system vectors to 32-bit RAM for faster performance
- 040 Utilities and Floating Point Software Included
- Compatible with AmigaDOS 2.0, NTSC and PAL systems
- One Year Warranty

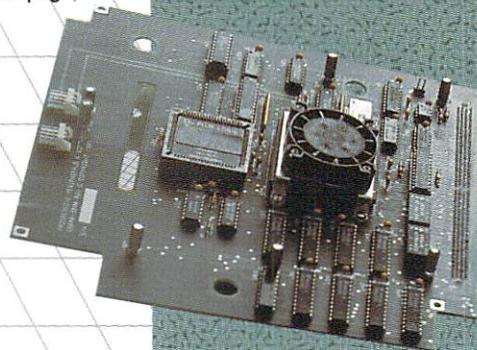


### PROGRESSIVE 040/2000 SPECIAL FEATURES

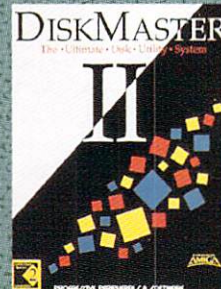
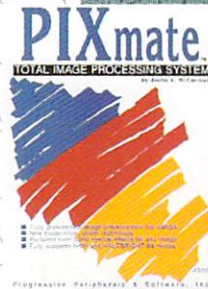
- 28MHz Asynchronous Operation
- Over 23 times the speed of a standard Amiga 2000
- AmigaDOS 1.3 and 2.0 Compatible - works with 1.3 or 2.0 ROM's
- Software switchable from 68040 to 68000 mode - no jumpers necessary
- Compatible with 16-bit memory cards and 'A' or 'B' series motherboards
- Designed for Upgradability to 33 MHz 68040 version
- Compatible with 3-D Professional, the Video Toaster®, Imagine®, and many other hardware peripherals and software
- Expandable to 32 megabytes of 32-bit RAM using standard, low cost 1 MBx8 or 4MBx8 page, static column or nibble mode 80ns SIMM modules.

### PROGRESSIVE 040/3000 SPECIAL FEATURES

- 25MHz Synchronous Operation
- Full 25MHz performance on 16MHz A3000 systems!
- Directly accesses 32-bit memory on A3000 motherboard
- Over Four Times the Speed of a Standard 25MHz Amiga 3000
- Compatible with 16MHz, 25MHz, and "Tower" series computers
- Software switchable from 68040 to 68030 mode - no jumpers necessary
- Compatible with nearly all 2.0-compatible software and hardware
- Requires ROM-Resident AmigaDOS 2.0



From the people that brought you...



...and many others!





# #1-AND DRIVE-ING HARD TO STAY THAT WAY!

**IMPACT**  
Series II

**Only GVP Factory Installed A2000 HC8+/52Q, 105Q or 200 SCSI Hard Disk+RAM Boards have a track record this good—over 20,000 satisfied Amiga® users and now a 2-Year Warranty!**

Don't waste your valuable time or money building a SCSI+RAM Controller from parts...

Because of our unprecedented pricing structure you can now get GVP's, brand name, factory installed A2000 HC8+/52Q, 105Q or 200 at a very competitive price.

## ► GVP's A2000 HC8+/52Q, 105Q or 200 — THE SAFEST CHOICE

Look for the GVP Factory Installed Drive Seal... it's your assurance that your A2000 HC8+/52Q, 105Q or 200 has been installed and tested in GVP's own factory...

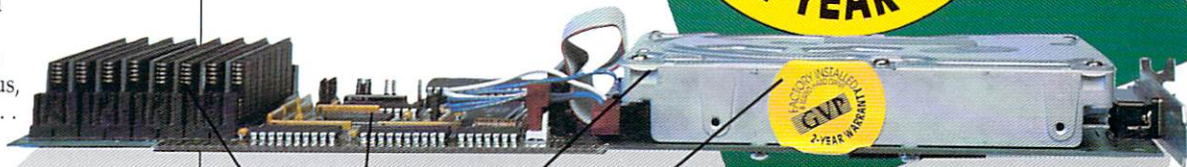
And the 2 year limited warranty protects you better *and longer* than any third party installed drive. And with third party drives you run the risk of a run around if anything does go wrong.

## ► GVP's A2000 HC8+/52Q, 105Q or 200 — NOW 33% FASTER WITH FAAASTROM™

All A2000 HC8+/52Q, 105Q or 200 have been redesigned and equipped with GVP's newest fastest SCSI Driver—FAAASTROM 4.0. Plus, we've also doubled Western Digital's SCSI Controller clockspeed to 14Mhz—for a tremendous, 33% increase in speed...

## ► GVP's A2000 HC8+/52Q, 105Q or 200 — JUST LOOK AT THESE FEATURES

- Custom chip design for the fastest possible data transfer rates and DMA performance—even in a multi-tasking environment.



Up to 8MB  
FAST RAM  
Expansion

Factory Installed  
3.5" Hard Disk  
Drive

GVP Custom  
VLSI Chip

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Installed Seal

- Easy-to-Install SIMM memory modules for configurations up to 8MB—and support BridgeBoard users with the 6MB FAST RAM.
- Support for virtually any SCSI device.
- Fastest and easiest SCSI installation possible.

## ► GVP's A2000 HC8+/52Q, 105Q or 200 — JUST LOOK FOR THE GVP FACTORY INSTALLED SEAL

Remember if the GVP Factory Installed seal shown in this ad isn't on your A2000 HC8+/52Q, 105Q or 200 box... it isn't the fastest, most powerful, longest warranted, safest A2000 HC8+/52Q, 105Q or 200 you can buy.

Ask for and accept only GVP A2000 HC8+/52Q, 105Q or 200 with the *Factory Installed* seal. For more information call 215-337-8770.



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# SAVE IT. MOVE IT. GET IT BACK.

Valuable utility programs can save you time, money and, in the case of catastrophic errors like hard drive failure, possibly months of work.

## **Quarterback Tools – Recover Lost Files**

Fast and easy. Reformats all types of disks – either new or old filing systems – new or old Workbench versions. Also optimizes the speed and reliability of both hard and floppy disks. Eliminates file fragmentation. Consolidates disk space. Finds and fixes corrupted directories.

## **Quarterback – The Fastest Way To Back-Up**

Backing-up has never been easier. Or faster. Back-up to, or restore

## **Back-Up...Transfer...Retrieve Quickly And Easily With Central Coast's Software For The Amiga**



from: floppy disks, streaming tape (AmigaDOS-compatible), Inner-Connection's Bernoulli drive, or ANY AmigaDOS-compatible device.

## **Mac-2-Dos & Dos-2-Dos – A Moving Experience**

It's easy. Transfer MS-DOS and ATARI ST text and data files to-and-from AmigaDOS using the Amiga's own disk drive with Dos-2-Dos; and Macintosh files to-and-from your Amiga with Mac-2-Dos. Conversion options for Mac-2-Dos include ACSII, No Conversion, MacBinary, PostScript, and MacPaint to-and-from IFF file format.



## **Central Coast Software**

A Division Of New Horizons Software, Inc.

206 Wild Basin Road, Suite 109, Austin, Texas 78746  
(512) 328-6650 \* Fax (512) 328-1925

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Last Minute Additions

# How To Use This Guide

The Winter 1992 edition of *AC's GUIDE to the Commodore Amiga* marks the steady improvement in both the size and versatility of the Amiga market. This guide contains over 440 new products and services for the Amiga. These products range from the latest games to the newest services provided to deliver Amiga 24-bit images to film.

In order to make these new listings highly visible, we have highlighted each with a small diamond (◆). We've also highlighted the programs which are AmigaDOS 2.0 compatible (as told to use by the vendor) with a small number 2 (②). Not all manufacturers make this known, so we cannot guarantee that this is a complete listing.

You will also notice that we have provided a printed row of "easy finder" tabs along the edge of all the right-hand pages. These tabs are extremely helpful in showing you what section you are in at any given moment and where you will find other sections in the guide.

Complete indexes of products and services listed by the name of the product as well as an index of products by vendor. An overall category list which makes it easier to discover which category contains a particular sub-section. We also had a number of last-minute additions that arrived at our printing deadline. Be sure to take a look at this section.

Finally, be sure to check out the new CatFish Freely Redistributable Software Category Listings. Now, it's easier than ever to find that particular FRS file.

## It's Getting Better...

As always, your feedback in making this guide even better is gratefully appreciated. If you have any suggestions on how we can improve *AC's GUIDE* further, please contact us by writing to:

*AC's GUIDE*  
c/o PiM Publications  
P.O. Box 869  
Fall River, MA 02722-0869

We spend hundreds of hours, mail thousands of letters, make and receive an unbelievable number of phone calls, and create miles of faxes to be certain that the information in this guide is correct. If you do discover an error, please send a letter at the above address, and depending upon its urgency, we will either report it immediately in *Amazing Computing*, or make the changes in our next *AC's GUIDE*.

If you are a vendor and have not registered your product, we need to hear from you as soon as possible. There is a special Vendor/Product Registration form on page 217. Please complete it and fax or mail it to us as soon as possible. It's also possible to have your new product mentioned in an upcoming issue of *Amazing Computing*. However, the only way to be certain that you are in the next issue of *AC's GUIDE To The Commodore Amiga* is to keep us informed.

Once again, thank you for your support and participation. It is through your continued enthusiasm that the Amiga has attained the recognition it enjoys today.

## AC's GUIDE / AMIGA

*AC's GUIDE For The Commodore AMIGA™*

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## ♦ ♦ ♦ GENERAL ♦ ♦ ♦

### Aegis Amiga Graphics Starter Kit

A bundle of four of the original ground-breaking software packages for the Amiga! Perfect for the Amiga beginner, this package includes Aegis Images paint program, Aegis Animator for 2-D animation, Aegis Draw for an introduction to CAD and Aegis ArtPak, a collection of clip art by Jim Sachs and Richard Labarre! Arazok's Tomb, an exciting graphic adventure with more art by Jim Sachs, is included free! \$99.95  
Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227

### Art Expression

Art Expression is a full-featured outline illustration program. It allows artists and graphic designers to create complex, artistic illustrations that can be scaled and used at any size without quality loss. Support for Adobe Type 1 outline fonts. Two objects can be blended together; color and line styles are blended as well. Groups/Ungroups, Locks/Unlocks, flips and aligns objects and groups of objects. Rotates objects directly on the page visually or by numeric entry in one degree increments. Autotracing of images from one to 24 planes, inside the program. Import EPS, Aegis Draw, Adobe Illustrator, and IFF DR2D format files. Fully compatible with all Amigas having 1MB of RAM or more, and AmigaDOS 1.3 and 2.0.

Soft Logik Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

### Digital Dungeon

The Digital Dungeon is designed to replace maps and lead figures in the gaming role-playing environment using 64-color digitized graphics models of terrain, objects, and entities from the and past, present, and future. Its features include editable information windows, virtual screen display (up to 1280 x 800), random die generator (with pipelines for results), powerful scene/event editor, and a huge included art source. It requires 512K, is not ARexx compatible, and NTSC only. \$39.95  
Magic Matrix, Station A, P.O. Box 2406, Champaign, IL 61825-2406

### Genesis

This fractal landscape generator allows you to create worlds with mountains, lakes, oceans, rivers, and waterfalls. Once you're happy with the world you have created, a built-in scripting ability allows you to move about the landscape as if you were flying. \$149.95

Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345

### Graphics Workshop V1.01

Features include a 10-brush library, gray scaling, line art generation, true anti-aliasing, true polygon generation (3-22 sides), rays, four point curves, brush masking, color replacing, rub-thru drawing,

pattern library with pattern draw, automatic normal, and halfbrite shadows. Supports standard page animation, and cell animation. Using the powerful Page-Effects window, page animation integrated the brush library with 3-D perspective to allow 10-brush synchronization and timing with rotation, movement, acceleration, and fading. Other features include gradient fill, wrapping, variable speed air brush, two types of stenciling, and 3-D perspective. The upgrade, version 1.01 corrects several software bugs, improves performance, and adds several new commands. Version 1.01 is quicker and more stable than version 1.0. \$100.00  
Holosoft Technologies, 1637 East Valley Parkway, Ste. 172, Escondido, CA 92027, (619) 747-0663

### Ilene's Color Cookbook

This is a utility to assist in making color printouts. It contains 32 color lo-res files of color charts with RGB settings. These can be printed out on any Amiga supported color printer. For use as a guide in approximating colors on the monitor or other specific color samples. Just load into the paint program you print from. \$29.95  
Tru-Image, P. O. Box 660, Cooper Station, New York, NY 10276, (212) 777-7609

### Mandala

This is a string art construction set. Tired of working three or four days pounding nails into boards and wrapping umpteen layers of thread around them? Mandala lets you design three basic shapes: circle, ellipse, and starburst; select and string up to 47 layers; alter the palette to select wanted colors; and save that newly created masterpiece as an IFF file for later viewing when you may feel like actually pounding nails and creating it. AmigaDOS 2.0 compatible. \$24.95

SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810

### Material Texture Library Vol. II-Wood Surfaces

A collection of high resolution (704 x 480 pixels) HAM images depicting a variety of quality wood textures and types. These images are designed for quality results when used as IFF brush mapping of 3-D objects in many popular 3-D rendering and paint programs (Turbo Silver or Sculpt 4D). The images can also be easily used as backgrounds for video applications. \$49.95

MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818

### Materials Texture Library Vol. I-Stone Surfaces

A collection of high resolution (704 x 480 pixels) HAM images depicting a variety of quality stone textures and types. These images are designed for quality results when used as IFF brush mapping of 3-D objects in many popular 3-D rendering and paint programs (Turbo Silver or Sculpt4D). The images can also be easily used as backgrounds for video applications. \$49.95

MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818

### ProVector 2.1

ProVector is an extremely fast and flexible object-oriented drawing program with a unique user-friendly interface. ProVector is fully multi-tasking and allows multiple drawings to be loaded/created simultaneously for easy cutting and pasting of objects. ProVector features a fast and accurate free-hand tool as well as bezier curve, regular and irregular polygon tools for both smooth and straight-line polygons. Other features include user configurable UNDO (up to 256 steps), extremely flexible object alignment, rulers, text-to-path, user editable color fill patterns, grid-snap and much more. ProVector is completely user-configurable, offers keyboard shortcuts for most operations and includes a user selectable measurement system (Inches, Pica, Centimeters) as well as ARexx compatibility (several useful ARexx macros are included). Requires 1MB of total RAM, AmigaDOS 1.3 or higher, a minimum of one disk drive. AmigaDOS 2.0 compatible. \$299.95

Stylus, Inc., P.O. Box 1671, Fort Collins, CO 80522, (303) 484-7321

### RaceTrace

RaceTrace is a sophisticated, high speed program that automatically detects the vectors of bitmapped images either in monochrome or color. RaceTrace is a program that allows you to transform bitmapped pictures into vector oriented formats. Load a picture from disk, vectorize it, and edit it to suit your needs. Then save it to disk, choosing from a variety of formats. It also converts the original color of the bitmap to the desired vector format. Save the result to disk in any of the following formats: Sculpt, RaceTrace format, HPGL, Postscript, Digiwords 3D, Professional Draw clip, Real 3D polygons, and Real 3D polyhedrons. Distributed by Programs Plus & Video, 544 Queen St., Chatham, Ontario, Canada N7M 2J6, (519) 436-0988. \$199.00  
Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914

### Real3D version 1.4

The program has been fully updated to meet the requirements of the most demanding users and now contains features that will surprise even the most creative minds. Real3D supports solid modeling, boolean operations, free form modeling tools with point editing, a full raytracing, 24-bit rendering, Phong shading, anti-aliasing adjustable in 8 levels, three different dithering methods, under Workbench 2.0 adjustable image size max 32000 x 32000 (OS limits). It also includes several ways of texture mapping with bump mapping, clip mapping, horizontal and vertical texture tiling, flip and gradient function, and animated textures. More accurate and easily editable control for motions of objects and even the observer and aim point can be located in the object hierarchy. Other features include undo function, 25% better memory management, visible grid, clearer indication of the selected object, defining measures and coordinates accurately by using the keyboard. Real3D is available in two versions. Read3D \$199, and Real3D Professional \$499. Distributed by Programs Plus & Video, 544 Queen St., Chatham, Ontario, Canada N7M 2J6, (519) 436-0988.

Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914

### Screen-Maker

Screen-Maker includes 100 deep color, broadcast images. The product requires no training, only a few simple commands, making professional graphics available in a fraction of the time and cost. Screen-Maker images include frames, panels, bars, scrolls, banners, geometrics, and natural images, which the user can then modify with text and pictures. Requires 24-bit IFF video board. Price: \$395.00 for 100 images on 36 disks.

Digital Graphics Library, Inc., The, 1382 Third Ave., Ste. 333, New York, NY 10021, (212) 978-8508

### Screen-Maker Starter Set

In order to make it easier for Amiga users to sample Screen-Maker's 24-bit IFF backgrounds, Digital Graphics Library has assembled a Starter Set. The Starter Set includes 12 specifically-designed images, and a \$20.00 rebate coupon which is redeemed when users move up to the 100-image version of Screen-Maker. \$48.00

Digital Graphics Library, Inc., The, 1382 Third Ave., Ste. 333, New York, NY 10021, (212) 978-8508

### Sign Engine

Sign Engine is a high level signage delivery system providing complete control over all aspects of vinyl sign production for professional sign makers. Structured drawings are imported and manipulated for output to sign cutting plotters. Features include auto-paging, interactive auto-tiling, outline/inline, selective layer cutting, background output, adjustable trailing blade compensation, and multiple copies. Direct file support for all Amiga-structured drawing packages allow for infinite creative signage possibilities. Imports and cuts ProDraw Clips, ProVector DR2D, DesignWorks Draw, Art Express

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# Graphic Arts

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sion DR2D, as well as HPGL-DM/PL plot files from any platform. Sign Engine works on all Amigas and supports OS Version 1.3/2.0. Available Christmas 1991.  
*Parallel Motion Graphics, Inc., 10 Stewart Court, Ste. 78, Orangeville, Ontario, Canada L9W 3Z9, (519) 942-8822*

### ◆ SpectrumFX™

A sound spectrum analyzer and display maker. See instant harmonic spectrums from any sound source (FFT). Graph in 3-D any viewpoint to see spectrum dynamics over time. NTSC available now, PAL in January 1992. \$29.95  
*Pacific Digital Effects, 6 Stetson Drive, Kentfield, CA 94904, (415) 457-8448*

### ● SpiralMaster

A computer implementation of Kenner's Spirograph. This program allows up to 20 layers to be constructed on the screen at one time. Unique user interface allows easy setting of all relevant factors with editing and saving of finished designs in IFF format. Both inside and outside wheels may have up to 999 teeth. Up to eight user-definable colors on the screen at a time. You have to see it to believe it! AmigaDOS 2.0 compatible. \$24.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

### Starships 2050

Starships 2050 is a three-disk set of professionally-sculpted 3-D models including starships, moonbases, fighters, satellites, and more. The set also includes a full disk of digitized NASA photographs for use as backgrounds. Designed for use with other modeling and animation software, this set contains completed 3-D models for creating high quality images and animations. These intricately crafted models are constructed in fine detail with face color and textures for optimal detail and rendering time. With this set one could compose animations of intergalactic exploration using the deep space probes or space colonies, or create interstellar wars using the starships or star fighters. They can be used by the professional as logos or special effects in videos. This set is designed for the weekend animator as well as professional. \$49.95  
*Polar Arts Software, 14145 Janna Way, Sylmar, CA 91342, (818) 362-8565*

### ◆ Video Textures and Backgrounds

Three full disks of various textures that can be used in any IFF compatible paint program, 3-D rendering and animation programs, as fills for Fonts, or as backgrounds for video and titling. Included are many color patterns and styles of wood textures, stones, plants, interior design, and other real world items. The palettes of these images are not fixed and can be changed in any paint program if necessary. \$24.95  
*Take Four Productions, 11396 Camarosa Circle, San Diego, CA 92126, (619) 578-1642*

### ◆ Voyager, The Dynamic Sky Simulator

A powerful astronomy program that simulates a planetarium on the Amiga, but with far more freedom, accuracy, and flexibility. It creates a dynamic sky of stars, planets, galaxies, and constellations. Its intuitive interface encourages playful exploration. Follow the changing positions of the planets, or witness the wonder of a total solar eclipse. Comes with a database of 11,000 objects which can be extended to about 100,000 objects. Additional data extensions will be available in the future. Requires 1MB, two disk drives, AmigaDOS 1.3 or 2.0. It does not require a math coprocessor. \$124.95  
*Carina Software, 830 Williams Street, San Leandro, CA 94577, (510) 352-7332*

### World 3D

An interactive graphic editor for use with the shareware DBW\_Render raytracer. Features include the ability to save and create individual objects and construct a library of commonly used shapes, easily edit attributes as well as textures and global parameters, and load and use VideoScape and Sculpt-3D objects. It also sports ultra-fast Preview mode, compact code, editing via ghosting, as well as object duplication and true 3-D solid object support. World 3D runs on any Amiga and requires 1MB RAM. \$95.00  
*Lewis Stone, P.O. Box 141211, Minneapolis, MN 55414-1211*

## ◆ ◆ ◆ 3-D ◆ ◆ ◆

### 3-D Vector Objects/Fonts

Growing collection of 3-D vector objects for raytracing. Forty different disks in each of three formats (T.S., Sculpt, VS), 65 new fonts and all categories of objects. Call for catalog. \$12.50 each or \$30.00 for set of three.  
*Dimension-X, Inc./CommoTech, 1636 D Ave., National City, CA 92050, (619) 477-3106*

### 3-Demon

Universal 3-D object editor allows interactive creation and manipulation of solid objects in a single window. Compatible with VideoScape 3D, Sculpt, Silver, and Forms in Flight. Save objects as standard IFF files. \$99.95  
*Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015, (408) 741-0117*

### 3D Professional

Fast 3-D polygonal-rendering software with animation facility. Create professional, stunning 3-D images in a fraction of the time it takes ray tracing software. Also creates fractal landscapes, trees, and clouds. Includes 3-D Professional Ray Tracer, a powerful software module for ray tracing images from 3D Professional and other 3-D programs. Comes with many advanced features, including distributive network ray tracing. Available free of charge to current 3-D Professional users. \$299.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144*  
**Please see display ad page B.**

### Aegis Modeler 3D

For use in animation programs. Provides flexible format for building your objects. Polygons used for creating objects may have any number of points. Use tools such as Flip, Merge, Lathe, and Extrude. Also included are Rotate, Translate, Scale, Mirror, Remap, and more. \$99.95  
*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

### Aegis Videoscape 3D with Pro/Motion

Real-time 3-D animation with many options and many applications. Use diffused or specular lighting on any object in multiple colors in any of four screen resolutions, including full overscan. Image may be saved as IFF image then used in Amiga paint programs. Includes library of objects and images. \$199.95  
*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

### C-Light

Low-priced 3-D animator and raytracing program with 3-D editor, shadows, mirror surfaces, multiple lights, and stereo-vision 3-D. \$24.95  
*Peterson Enterprises, 7 Grove Street, Haydenville, MA 01039, (413) 268-9232*

### ◆ Caligari 2

A modeler employing virtual reality technology with full 2.0 Broadcast functionality. This includes single point edit, mirror, slice and sweep functions. Interactive spline-based animation module with real-time preview identical to Broadcast 2.0. Support for single frame controllers for recording to video tape. Photorealistic full color renderer with texture mapping, environment mapping, shadows, transparency, Gouraud, Phong, Metal, and Environment shader with great antialiasing. Unlimited number of lights including global, local, directional and shadow casting lights. 20 to 50 times faster than ray-tracing programs and twice as fast as nearest non-ray tracing competitor. Full implementation of Broadcast 2.0 technology. Support for HAM, DCTV, and HAM-E frame buffers. NTSC/PAL. Reads and writes Videoscape, Lightwave, and Sculpt 3D object formats. Runs on all Amigas with a minimum of 2MB RAM. Support for 020/030 and floating point accelerators. \$2399.00  
*Otree Software, Inc., 311 West 43rd St., Ste. 904, New York, NY 10036, (212) 262-3116*

### Caligari Broadcast 2.0

A modeler employing virtual reality technology. Enhanced with brand new free form deformation module. Point editing has also been enhanced in addition to slice, sweep, and mirror functions. Interactive spline-based animation module with real-time preview is now based on quaternions. Support for single frame controllers for recording to the

video tape. Photorealistic 32-bit (8 bit alpha) renderer with texture mapping, environment mapping, shadows, transparency, Gouraud, Phong, Metal and Environment shader with four levels of antialiasing. Unlimited number of lights including global, local, directional and shadowing casting lights. 20 to 50 times faster than Ray tracing programs and twice as fast as nearest non-ray tracing competitor. In addition to existing texture maps, new projection techniques supported. Support for Targa+/Vista, GVP Impact Vision 24, Harlequin, DCTV, and HAM-E frame buffers. Slide resolution up to 8000 x 8000 pixels. Reads and writes Videoscape, Lightwave, and Sculpt 3D object formats. NTSC/PAL. Optimized to run on 68030/040 and floating point accelerators. \$3495.00  
*Otree Software, Inc., 311 West 43rd St., Ste. 904, New York, NY 10036, (212) 262-3116*

### Design 3D

Professional quality modelling package lets you model in wire frames with six line types and 16 colors, with dithering to emulate additional colors. Four views: top, side, front, and perspective; with four light sources. Axle extrusion allows for fast modelling of symmetrical objects. Works in hi-res interlace, or non-interlace. Requires 1MB and 1 drive. \$69.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

### Draw4D

3-D graphics and animation. Real time direct window into 3-D space. Elegant wide angle, zoom, rotation controls. Full mouse, menu, gadget, keyboard support. Full multitasking. Handles polygons of any number of sides. No scripts are required for animation. Preview animations at the touch of a key. A wide range of powerful tools. Interruptable Z-buffer redraw averages 30 sec/frame. Saves in IFF and ANIM formats. Directly saves fully shaded Professional Draw Clips in grey scale or full color. The ultimate desktop publishing drawing aid. Both regular and math coprocessor versions included. \$249.00  
*Adspec Programming, 1405 N. Ellsworth Ave., Salem, OH 44460, (216) 337-3325*

### Draw4D-Pro

Same features as Draw4D, but enhanced for video applications. IFF bitmap wrapping. Gouraud and Phong shading. Unlimited light sources that can be bitmapped and changed in intensity/color during an animation. New animation and multi-level deform mode. An easy-to-use eye path for architectural walk-throughs. Compressed 24-bit IFF saves. Enhanced tools. Many more features. Super-Fast render times, often under two minutes. Direct DCTV support. \$349.00  
*Adspec Programming, 1405 N. Ellsworth Ave., Salem, OH 44460, (216) 337-3325*

### DynaCADD

DynaCADD is a 2-D and 3-D computer-aided design and drafting software solution that will turn your computer into a sophisticated and powerful CADD workstation. With electrical, mechanical, architectural, or civil applications, DynaCADD provides a total design and drafting solution. DynaCADD revises, designs, and details drawing in 2-D and 3-D, reads and writes the industry's standard file formats. DynaCADD offers an alternative solution to expensive, difficult-to-use CADD systems and brings mainframe CADD capabilities to the CADD Professional at a fraction of the cost. DynaCADD combines an extensive collection of features, uncommonly fast display speed, and seamless performance. DynaCADD's attention to ease of use drastically reduces the learning period normally associated with CADD packages. DynaCADD supports OS Version 1.3/2.0, NTSC, PAL/SECAM, ECS Graphic Modes, and Multitasking. DynaCADD package includes: 68000 and 68020/68030 Versions, 10 AGFA Compugraphic Fonts and four additional CAD Fonts, Vector Font/Hatching Editor-14 predefined hatching patterns included, background plotting. File Formats: DynaCADD Export, Sculpt 3D, VideoScape, LightWave, Imagine, HPGL, DMPL, Calcomp, PostScript®, Encapsulated PostScript, Xerox Ventura IMG Files, GEM@META Files, IFF ILBM and Import or Export DXF 2D and 3D. \$995.00

*Ditek International, 2800 John St., Unit 15, Markham, Ontario, Canada L3R 0E2, (416) 479-1990*



## ◆ MakePath 1.0

A motion-editing tool for use with all Vista or VistaPro landscapes, including those created with TerraForm. It will allow you to create complex animation sequences with a few simple mouse clicks. Sessions can be saved and restored for later editing and refinement. MakePath uses a 3-D spline based system for path creation and editing which allows the program to have intelligence. The user has full control over the motion of the model. The program can incorporate user definable controls such as acceleration rates, control over bank, and pitch. It provides an interactivity with the user that is unattainable with key frame systems, providing almost real time editing capabilities. Simple point and click interface. Order direct from VRLI. \$39.95  
Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## PageRender 3D

A 3-D Static image rendering and 3-D animation program. Supports stereo vision. Large and flexible object library provides tools to help you build your own object library. Four draw modes, choice of coordinate systems, scrollable display size, automatic geometric restructuring, automatic tracking; automatic script generation tools; generates ANIM files; compatible with PageFlipper Plus F/X. AREXX support. \$159.95  
Mindware International, 110 Dunlop W. Box 22158, Barrie, Ontario, Canada L4M 5R3, (705) 737-5998

## Pixel 3D v2.0

A powerful 3-D object utility for the Amiga. Use Pixel 3D to convert a bitmap into a 3-D object by extruding it (giving it depth). It offers several extrusion options that give you the power to make 30D objects quickly, easily, and accurately. Use the Data Reduction Algorithms to reduce the size of 3-D object files. Lightwave 3D users will enjoy quicker rendering times when using objects converted from other programs that use three-sided polygons. Load and save Lightwave 3-D, Imagine, 3-D Professional, Sculpt 3D, Turbo Silver, Videoscape 3D and DXF-AutoCAD (save only).  
Axiom Software, 1221 East Center Street, Rochester, MN 55904, (507) 289-8677

## ◆ Pro-Textures

For those requiring high quality in their 3-D renderings, or for those rendering out to a frame buffer or other 24-bit display device, this 10-disk set is now available. Each edge of each image—tops, bottoms, and sides—matches against the edge opposite to it, resulting in virtually seamless image mapping. There is a wide selection of vibrant, full-color texture images in both hi-res 24-bit IFF and HAM format. Specifically tailored for both 3-D image wrapping and reflection mapping (Global environment mapping). \$59.95  
Merlin's Software, Published by Amazing Computers S.E., 1441 E. Fletcher Ave., Tampa, FL 33612, (813) 977-6511

## ◆ RaceTrace

RaceTrace is a sophisticated, high speed program that automatically detects the vectors of bitmapped images either in monochrome or color. RaceTrace is a program that allows you to transform bitmapped pictures into vector oriented formats. Load a picture from disk, vectorize it, and edit it to suit your needs. Then save it to disk, choosing from a variety of formats. It also converts the original color of the bitmap to the desired vector format. Save the result to disk in any of the following formats: Sculpt, RaceTrace format, HPGL, Postscript, Digiwords 3D, Professional Draw clip, Real 3D polygons, and Real 3D polyhedrons. Distributed by Programs Plus & Video, 544 Queen St., Chatham, Ontario, Canada N7M 2J6, (519) 436-0988. \$199.00  
Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914

## Real3D version 1.4

The program has been fully updated to meet the requirements of the most demanding users and now contains features that will surprise even the most creative minds. Real3D supports solid modeling, boolean operations, free form modeling tools with point editing, a full raytracing, 24-bit rendering, Phong shading, anti-aliasing adjustable in 8 levels, three different dithering methods, under Workbench 2.0 adjustable image size max 32000 x 32000 (OS limits). It also includes several ways of texture mapping with bump mapping, clip mapping, horizontal and vertical texture tiling, flip

and gradient function, and animated textures. More accurate and easily editable control for motions of objects and even the observer and aim point can be located in the object hierarchy. Other features include undo function, 25% better memory management, visible grid, clearer indication of the selected object, defining measures and coordinates accurately by using the keyboard. Real3D is available in two versions. Read3D \$199, and Real3D Professional \$499. Distributed by Programs Plus & Video, 544 Queen St., Chatham, Ontario, Canada N7M 2J6, (519) 436-0988.

Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914

## Sculpt 3Dxl

Release 2.02 (also includes accelerator version) 3-D modeling and Photo-Realistic rendering software. The Tri-View graphical interface provides ease of use for the novice without sacrificing the power needed by professionals. Generates images at standard Amiga display modes plus 24-bit color resolution. Power features include a multiple surface types, scripting language, hierarchies, splines, variable camera lens lengths, reflect, batch generation, and many more. Upgrade paths to SA4D are available. Distributed by Centaur software. \$179.95  
Byte by Byte, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## Sculpt-Animate 4D

Release 2.09 (also includes accelerator version) 3-D modeling, Photo-Realistic rendering and animating software for professionals. The Tri-View graphical interface provides ease of use for novices without sacrificing the power needed by professionals. Generates images at standard Amiga display modes to 24-bit color at 4,000 line resolution. Power features include a scripting language, macros, grids, splines, coordinates, helix, spin, reflect, and many more. See Animation listings for additional features. Distributed by Centaur Software. Requires AmigaDOS 1.2 or 1.3. 2MB of RAM (hard drive strongly recommended). \$499.95  
Byte by Byte, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## Sculpt-Animate 4D Jr.

Release 1.01 Consumer version of SA4D streamlined to operate on entry level Amiga systems. 4D Jr. provides an introduction to 3-D modeling and animation. Images may be generated in wire frame or as flat shaded surfaces. Features include spin, reflect, variable camera lens lengths, multiple lights, and many more. See Animation listings for additional features. Upgrade paths to SA4D are available. Distributed by Centaur Software. Requires AmigaDOS 1.2 or 1.3. 1MB (additional memory suggested). \$149.95  
Byte by Byte, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## ◆ TerraForm 1.0

TerraForm is the Vista and VistaPro Digital Elevation Model (DEM) terrain editor. With it you can modify an existing landscape or create your own. Add dams to rivers, roads climbing up mountains, put your own face on Mars. Create new and original landscapes using tools to build mountains, make craters, flatten or roughen areas, and paint elevations. Can be used to modify any non-extended Vista or VistaPro. Pahe topographic representation map, or in the 3-D as they are being made on the topographic map. Order direct from VRLI. \$39.95  
Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## Turbo Silver 3.0

Turbo Silver 3.0 is a complete ray-tracing and solid-model rendering engine and 3-D editor to be used in the creation of photo realistic images and animations. Simple-to-use interface makes generating animations easy. Complete control of the world and camera are part of the Turbo Silver function set. \$199.95  
Impulse, Inc., 6870 Shingle Creek Parkway #112, Minneapolis, MN 55430, (612) 566-0221

## ● VisionModeller 3D

A full-featured 3-D modelling program which works in conjunction with XSpecs 3-D glasses from Haitex Resources. It has numerous primitive shapes including cubes, cones, spheres, and donuts, plus additional special primitives modulated donut, VanKoch snowflakes, and fractal trees. Easily cre-

ate and edit points, lines, and faces. Tools allow you to extrude in any direction, spin around any axis, skin cross-sections, fillet lines, and generate multiple files for animations. Features read and write compatibility with Sculpt 3D/4D, Turbo Silver 3.0 and Imagine rendering programs. Requires 68020/030 processor and 68881/882 math co-processor; 1.5MB of memory. Compatible with AmigaDOS 1.2 thru 2.0. Demo disk available for \$10.00. \$150.00  
ShaderSoft, 3631 Colby S.W., Wyoming, MI 49509, (616) 531-6083

## ● Vista 1.2

Vista 1.2 is now released for 1MB Amigas. New features are Gouraud shading (eliminates polygons), lo-res option (and original HAM mode), simulated trees. Vista generates beautiful, 3 dimensional landscapes using real world USGS data; Turbo Silver compatible, Animation capability, Half-Dome and El Capitan in Yosemite National Park, Mt St. Helens (before and after eruption), Crater Lake. Caldera of Mons Olympus, highest mountain of Mars, can be explored from any angle or perspective. Also 16 billion imaginary fractal landscapes. 2.0 compatible, PAL version. Inexpensive upgrades. \$59.95  
Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## VistaPro

VistaPro creates beautiful painting-like landscape views and animations of Earth and Mars scenery, using Gouraud shading, hi-res, interlace and overscan. Saves and displays in 24-bit, hi-res, interlace, overscan or HAM. Saves images as IFF, IFF24, Turbo Silver objects (compatible with Imagine), and in 24-bit RGB for frame buffer output. Script support for animation modes: IFF, IFF24, RGB, and VistaPro's proprietary VANIM. Animation player for VANIM files from hard disk included. Scripting preview function shows path your animation follows through landscapes. Unlimited lighting positions. Compatible with Toaster, DCTV, Ham-E Board, Firecracker, Mimetics Frame Buffer. New landscapes included. Inexpensive upgrade. Requires 3MB on NTSC, 3.3MB for PAL. See Animation category for Scapes. \$149.95  
Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## VistaPro Scapes—

### Valles Marineris/Mars Expansions

The Valles Marineris Mars set allows the user to explore the 'Grand Canyon' of Mars, an area approximately the length of the United States. The data for this set was obtained from NASA. The chasmas which have been discovered and named on this set are Nootis, Labyrinthus, Tithonium, Hebes, Ius, Cander, Ophir, Melas. Overlapping landscapes for animation. \$79.95  
Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## ◆ ◆ ◆ 3-D/CLIP ART ◆ ◆ ◆ & OBJECTS

### AniMotions

AniMotions will animate any human like object created with Sculpt Animate 4-D to execute a variety of common human movements. Create your own humanoids or use the included mannequins. Alter the movements as you wish and turn them into sequences of actions. The mannequins can also be manipulated into any posture and painted over. Sculpt Animate 4-D version \$49.95/Turbo Silver version (operates only with enclosed mannequins) \$34.95. Requires 1MB.

Tom Macri, 3575 St. Lawrence Blvd., Ste. 506, Montreal, Quebec, Canada H2X 2T7, (514) 982-9353

### Antic's 3-D Design Library™

Antic's 3-D Design Library™ is a collection of programs with 3-D objects on them that can be loaded into Videoscape 3-D; Sculpt 3-D, 4-D; Turbo Silver; Imagine; and JourneyMan as well as the Video Toaster. Antic's 3-D Design Library™ now includes the following disks (each sold separately): Human Design Disk, Architectural Design Disk, Future Design Disk, Microbot Design Disk, Interior Design Disk, Woodlands Design Disk, Space Design Disk, Vintage Aircraft Vol I—Early Air Craft, Dinosaur Design Disk, City Icons Vol I—NYC, City Icons Vol II—San Francisco, City Icons Vol III—D.C. The following disks will be available by Fall

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# Graphic Arts

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1991: Vintage Autos Vol I—50's, Vintage Autos Vol II—30's, Whales Design Disk, Western Town Design Disk, Vintage Aircraft Vol II—Desert Storm, Locomotive Design, Vintage Ships Vol I—Clipper Ships, Undersea Life Design Disk. Each disk is \$39.95.

*Antic Software, 544 Second St., San Francisco, CA 94107, (415) 957-0886*

#### ◆◆ Archi-Pro 3D

Library of 3-D objects for architecture creation, all styles and designs with a minimum memory use. Ten diskettes, scenes and objects. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Two diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB \$110.00  
*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

#### ◆◆ Cabrio

Hot rod from Citroen 15/6 traction avant convertible. Nine 3-D files with wheels, body, wind screen, headlight, and seat. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Two diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB \$45.00  
*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

#### ◆◆ Ferrari F40

3-D object on the famous car of the 40th of the Ferrari firm. Five 3-D files on F40: Body-doors, frame, bonnet; Wind screen-front and back windshield, headlight, windows; Wheels-Ferrari rim, tires; Engine-Turbo, gear-box, silencer, radiator; Inside-steering wheel, seat, etc. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Two diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB, more recommended.

*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

#### Omega Face

An intelligent library for 3-D software. Omega Face is a library of 3-D objects, relative to the anatomy of the human face. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). It can be used with AmigaDOS 2.0 and on A500, 1000, 2000, 3000. AL and NTSC available. Requires 1MB. \$45.00

*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

#### Orbiter/Space Station Data Disk

This Gallery 3-D object library for the Sculpt series of software includes sophisticated models which conform to design specifications of the U.S. orbiter and proposed Space Station modules. Each object contains a complete hierarchy to make animation and modification simple. Lets you build your own space project in the Sculpt universe. \$69.95  
*Byte by Byte, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

#### ◆◆ Pack Planes WW2

3-D objects on planes of the second World War. Includes: Corsair F4U-1 Chance Vought, Mustang P-51H North American, Spitfire MK V Supermarine, Messerschmitt BF 109 E, Stuka JU 87 B Junkers, Mitsubishi A6M3 Zero, Mig 42 (anticipation), SR 71 Blackbird Lockheed. Accessory: 3-D bombs, images, information, and 3-D insignia for each plane, landing gear. Twenty-two files. It can be used on most modelling and animation software programs (Sculpt Animate, Imagine, Turbo Silver, 3-D Professional, Real 3-D). Seven diskettes. AmigaDOS 2.0 compatible, runs on A500, 1000, 2000, 3000. PAL and NTSC available. Requires 1MB. \$55.00

*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

#### ◆◆ Sexy Pin Up I-IV

A series of sexy 2-D clip-art for DPaint II, III, or IV. Brush of cloths, possibility of animation. Can be used on all 2-D software. AmigaDOS 2.0 compatible. PAL or NTSC available. \$30.00

*Leo Capricorn, 1, Residence de la Tuilerie, 94260 Fresnes, France, (011) 3314-668-5022*

#### Silicon World

Silicon World is a full disk of professionally designed 3-D objects for use with the popular Amiga 3-D modeling programs. Enhance your visions with our models of common electronic components. Resistors, transistors, capacitors, diodes, LEDs, chips of all shapes and sizes including accurate 68000 and 680 x 0 models, and more. We provide these objects in formats compatible with 3D Professional, Imagine, Amiga Sculpt 3D/4D, Mac Sculpt 3D, Turbo Silver 2.0 & 3.0, Modeler 3D, Videoscape 3D, and Interchange. \$24.95

*Critical Mass Software, P.O. Box 23, Short Hills, NJ 07078*

#### SoftClips

SoftClips Clip-Art is an extensive collection of hires, bit-mapped images that are designed for word processing, desktop publishing, video, and multimedia uses. There are four separate volumes in the collection: Classic Clip-Art, People Clip-Art, Collector's Clip-Art, and Animal Clip-Art. Each four-disk volume contains several hundred useful images. \$79.95 per volume.

*SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076, (800) 247-8330*

#### TV Objects

TV Objects is a two-disk set of 3-D object files to be used with Amiga 3-D software. TV Objects features both the sculpt and Turbo Silver formats in the same package, 33 objects per format. Interesting geometric shapes include, rib-balls, rib-torus, gears, spiral columns, arrays, and many more. Great for use in surrealistic raytracing, or station I.D.'s. Special version including videoscape format for \$59.95. Requires 1MB of RAM, plus 3-D graphics software. \$44.95

*Slide City, 6474 Highway 11, DeLeon Springs, FL 32130, (904) 985-1103*

#### Video Visions Vol. 2: The 3D Animator V2.0; 3-D Objects

Images and parts custom-made for 3-D and Page Flipping Animation programs with a focus toward Fantasy Animals subjects. Features objects for 3-D. Specify your 3-D Editor: 3-D Knight, Unicorn, Giants' Hand, 3-D Videocam, Dogsworld animation, 3-D Globe spin, Clouds backdrop, Field Backdrop HAM, and Tree Backdrop, and more! Over 40 files, overscan HAM screens, and 3-D objects for your editor. VideoScape, Sculpt 3D, or Turbo Silver supported, two disks. \$25.00

*CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224*

#### Virtual Landscapes I

Virtual Landscapes I is a full disk of professionally designed 3-D objects for use with the popular Amiga 3-D modeling programs. The subject matter is common roadside objects including street lamps, fire hydrants, U.S. Mail boxes, public telephones, utility poles and high tension towers, traffic lights, and more. All you need to create a super-realistic suburban landscape. We provide these objects in formats compatible with 3D Professional, Imagine, Amiga Sculpt 3D/4D, Mac Sculpt 3D, Turbo Silver 2.0/3.0, Modeler 3D, Videoscape 3D, and InterChange. \$24.95

*Critical Mass Software, P.O. Box 23, Short Hills, NJ 07078*

#### Virtual Landscapes II

Virtual Landscapes II is a full disk of professionally designed 3-D objects for use with the popular Amiga 3-D modeling programs. Avoiding the sterile 3-D look is easy when you use the organic objects included with this disk. Trees from palm to poplar, bushes, shrubs, flowers, rocks, plants, and more. You'll be creating tranquil rural settings in no time. You even get a very funky moon and sun! We provide these objects in formats compatible with 3D Professional, Imagine, Amiga Sculpt 3D/4D, Mac Sculpt 3D, Turbo Silver 2.0/3.0, Modeler 3D, Videoscape 3D, and InterChange. \$24.95

*Critical Mass Software, P.O. Box 23, Short Hills, NJ 07078*

## ◆◆◆ 3-D/FONTS ◆◆◆

#### Aegis VideoTitrer 3D

Use VideoTitrer 3D with or without a Genlock device to turn your Amiga into a powerful titling workstation, perfect for desktop video and graphic presentations. The program includes over 20 differ-

ent font styles, including outlining, drop shadows, and color gradations. Or design you own styles in the program's 'expert mode.' To display and animate your VideoTitrer screens, the presentation system, Lights!Camera!Action! has been included. Use over 40 transitions/special effects including wipes, color cycling, and dissolves with sound and animation. \$159.95

*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

#### ◆ Apogee 3D Fonts 1 v1.0

Apogee 3D fonts are the possessor of certain unique attributes that makes them ideally suited for advance 3-D graphics. They were designed with the broadcast video industry in mind, incorporating all of the necessary qualities needed for that particular application. Whenn used with the latest software and hardware available for the Amiga, Apogee 3D fonts will produce results on par with that produced by professional graphic workstations. Requires 1MB RAM. \$29.95

*Digital Arts, 20515 SW 114 Ct., Miami, FL 33189, (305) 378-8734*

#### ◆ Broadcast 3D Fonts

This complete 3-D fonts set includes a set of nine fonts. Each font has Upper case, Lower case, Symbols, and Numbers ready to use with Imagine, the 3-D rendering package from Impulse. The fonts are: Microbes, Shock, ParkPlace, Palladium, Clarity, Brushstroke, Casual, Copper, Helsinki, Future. Each font has been optimized to be able to take advantage of the Phong Shading techniques found in Imagine. \$149.95

*Impulse, Inc., 6870 Shingle Creek Parkway #112, Minneapolis, MN 55430, (612) 566-0221*

#### Fancy 3D Fonts

Available in Sculpt-Animate Version or Turbo-Silver Version. Each version contains a two-disk set of three proportionally sized fonts called Bold, Ital, and Fanc and emulate the font sets traditionally known as Helvetica Bold, Bookman Italic, and Clarendon Medium. Each font set includes upper case, lower case, numbers (except Bold), symbols, and many international characters. \$79.95

*Access Technologies, Inc., P.O. Box 202197, Austin, TX 78720, (512) 343-9564*

#### InterFont (Includes InterChange)

InterFont turns your 3-D modeling program into a video titling system. InterFont automatically generates text objects for 3-D modeling and desktop publishing programs. You select a font, enter lines of text, and InterFont creates ready-to-use 3-D objects. You control the size, extrusion, alignment, texture and color of text objects. All InterFont text is precisely aligned in space and curves are approximated at any level of detail. Includes 20 pre-made InterFonts and an editor that makes it easy to create your own InterFonts by tracing around bitmap fonts with colorful spline curves and lines. Includes InterChange and the Sculpt, VideoScape, Professional Draw, and Aegis Draw modules. Works with all other InterChange Plus modules, so it can create text objects in many formats. \$119.95

*Syndesis, N9353 Benson Road, Brooklyn, WI 53521, (608) 455-1422*

#### Living Logos Fonts

A 3-D font set containing three complete 3-D fonts. All fonts are in both Sculpt 4D and Turbo Silver formats. First in a series. \$39.95

*Joe's First Company, 208 Glenayr Road, Toronto, Ontario, Canada M5P 3C3, (800) 387-8967*

#### Master Fonts 3-D

Group of fonts selected for their excellent 3-D properties. For use in VideoScape 3-D and Sculpt 3-D for production of high quality animations. \$29.95

*T.S.R. Hutchinson, 110 W. Arrowdale, Houston, TX 77037, (713) 448-6143*

#### Masterpiece 3D Fonts in Interfont Format

49 fonts in Interfont Format. Using Interfont, you can quickly create text objects for 3-D programs. Converts to Videoscape, Sculpt, Aegis Draw Plus, Turbo Silver, or Pro Draw. \$99.00

*ARock Computer Software, P.O. Box 137, Springfield, MO 65801, (417) 866-8803*

#### Tate Fonts I

This Gallery 3-D font library for Sculpt-Animate 4D provides three clean sets of font characters. The included styles are Slot, Tube, and Prism. Each character is a separate Sculpt scene file which has



been designed to automatically scale, offset and add itself to the hierarchy through SA4D's 'Load Font' option. The hierarchies make it easy to animate and modify 3-D flying titles for your next video production. \$69.95  
*Byte by Byte, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## Tate Fonts II

This Gallery 3-D font library for Sculpt-Animate 4D provides three striking sets of font characters. The included styles are Bevel, LCD and Premiere. Each character is a separate Sculpt scene file which has been designed to automatically scale, offset and add itself to the hierarchy through SA4D's 'Load Font' option. The hierarchies make it easy to animate and modify 3-D flying titles for your next video production. \$69.95  
*Byte by Byte, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## ◆ Video Clipse v1—3D FONTS

Four 3-D fonts are included in separate versions for Imagine and LightWave Toaster programs. Each font character has three user-definable surfaces (front face, back face, and side). This special design allows for multi-color attributes and diverse texture mapping possibilities. Spanish characters are included. NTSC and PAL compatible, and available for foreign distributors. Requires 3-D and Imagine or LightWave programs. Fonts can be converted to other 3-D formats using Interchange from Sundsis. \$89.95  
*Graphically Speaking, 2574 PGA Blvd., Ste. 107, Palm Beach Gardens, FL 33410, (407) 626-3447*

## ◆ ◆ ◆ 3-D/UTILITIES ◆ ◆ ◆

### 3D Options

Auto tracing, image creation and file conversion package. Allows you to take an IFF bitmapped picture and convert it into an object which can be used in various 3-D programs, or CAD packages. File formats supported include: Videoscape 3D, Aegis Draw, Post Script, DXE (AutoCA), Professional Page, Modeler 3D, Interchange, MCAD, and more. \$49.95  
*Rainbows Edge Productions, 4412 4th Ave., Brooklyn, NY 11220, (718) 965-1922*

### ● Aegis Pro/Motion

Designed for use with Aegis VideoScape 3-D, Pro/Motion takes all of the guess work out of motion definition. Using a simple visual interface, design complex motions with effects such as wind, gravity, and magnetism. Position light sources and cameras exactly where you want them—on the screen! Preview motions in real-time without waiting for an animation to be rendered! Workbench 2.0 compatible. \$99.95  
*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

### CineLink™

CineLink™ can control high-quality digital film recorders directly from any Amiga with an A2091 or compatible disk controller. Supported film recorders include Lasergraphics, LFR/LFR Plus, and the Presentation Technologies Montage FR1. Up to 4000 lines of resolution may be output to 35mm slide, instant, 4 x 5 print and transparencies, and 16mm or 35mm bulk, pin-registered motion picture film backs. Requires 1MB. \$299.95  
*Active Circuits, Inc., 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616*

### DigiWorks 3D

This product will take digitized images, the latest in Amiga characters and clip art, or 2-D graphics from painting or image processing programs and convert them into 2-D and 3-D objects to be rendered and animated in powerful 3-D rendering programs. A fast polygon fill algorithm has been implemented along with 2-D to 3-D extrusion options so that objects will be ready to directly load and render in a 3-D rendering program. Specific tools and options include Vertex Level Editing, User-Definable Screen Colors, Freehand Drawing, Absolute and Relative Coordinate Measurements, Adjustable Tracing Accuracy, Output sizing Controls, and much more. \$129.95  
*Access Technologies, Inc., P.O. Box 202197, Austin, TX 78720, (512) 343-9564*

## ◆ Guides to the Textures

### for Turbo Silver SV v1.3

This is a set of seven interactive tutorials which illustrates the use of the algorithmic textures in Turbo Silver SV: Wood, Layers, Bricks, Angular, Marble, Disturbed, and Grid. A graphical interface allows the user to explore up to 16 parameters for each of the textures, viewing the effect of each parameter. Comments and illustrations accompany each example. Requires 1MB RAM. \$12.00  
*Computer Graphics and Illustration, 62 Dombey Circle, Thousand Oaks, CA 91360*

### InterChange Plus

A proven system for sharing objects between 3-D programs. It faithfully converts 3-D geometry, color and texture information between incompatible programs, letting you model in one program and render in another. Includes modules for reading and writing LightWave, Imagine, Turbo Silver 2.0 and 3.0, Sculpt 3-D and 4-D, VideoScape 1.0 and 2.0, PAGERender 1.0, and Forms In Flight 1.0 formats. Includes the Scale Tool, GridSnap Tool, the PointReduce Tool, the Statistics Converter, and the Surface Converter. Expandable into the future through additional modules for other formats. \$99.95  
*Syndesis, N9353 Benson Road, Brooklyn, WI 53521, (608) 455-1422*

### Lightwave Single Frame Utility

This utility gives users of the Toaster and Lightwave 3-D the ability to single frame their animations after lightwave has rendered them to the hard drive in IFF RGB format, which is a smaller file size than a framebuffer file. Works with many controllers on the market. \$49.95  
*Compu Animate, 1514 E. Rosemonte Dr., Phoenix, AZ 85024, (602) 582-4462*

### RasterLink™ (formerly ImageLink)

RasterLink™ is version 3.0 of ACI's image conversion software for 24-bit color and advanced imaging. Supports Amiga, IBM PC, Macintosh, Next, Sun and other workstations' image formats. RasterLink basic conversion modules include IFF, Caligari/Rendition, GIF, Digi-View, Macintosh PICT/PICT2, PC-Paintbrush, Raw RGB, Sun Rasterfile, Truevision Targa, TIFF, TurboSilver, and the ACS Harlequin Framebuffer. Requires 1MB. ARexx and NTSC/PAL compatible. \$199.95  
*Active Circuits, Inc., 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616*

### ◆ ScapeMaker 2.0

Converts most Amiga IFF images (320 x 200 up to 768 x 592, including lo-res, hi-res, interlace, NTSC, PAL, overscan, and HAM) into digital elevation map (DEM) landscapes for 3-D rendering with Vista, VistaPro, and Scenery Animator. Converts logos, video titles, topographic maps, radar mapping images, photos, paint program graphics, and other images into 3-D landscape files up to 258 x 258 elevation points as extruded (positive height) or carved (negative depth) objects. Loads and saves landscape files in compressed format. Landscapes can also be added to one another, smoothed, scaled up to 99X. Includes full ARexx interface. \$39.95  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*  
**Please see display ad page 17.**

### TGALink™

TGA Link™ is an optional module of RasterLink™ (formerly ImageLink) which adds control of 2C Bridgeboard based frame buffers from Truevision, Matrox, and Visionetics. Using TGALink™ and RasterLink™, images may be converted and displayed or rendered directly to these boards in full 24-bit color, then recorded frame by frame to video tape to produce stunning results. \$299.95  
*Active Circuits, Inc., 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616*

### The Hot-Key Authority

The ultimate tool kit for Imagine and Turbo Silver 3.0SV users. Three selectable configuration files for Imagine: SuperFast, normal and PhotoRealistic renderings. New Hot-Keys assigned for maximum productivity. Printed and laminated Hot-Key charts for both Imagine and Turbo Silver 3.0SV. A disk filled with P.D. and shareware utilities and programs for the 3-D artist. Turbo and Imagine tip files. \$6.95  
*Tim Donley, 4556 Whitewood Ave., Long Beach, CA 90808*

## X-Kit V1.2

Two-disk set of handy and unusual graphic and 3-D utilities of all types—object editors, wire frame, modulars, ANIM utilities, etc. \$34.95  
*Dimension-X, Inc./CommoTech, 1636 D Ave., National City, CA 92050, (619) 477-3106*

## ◆ ◆ ◆ 3-D VIDEOTITLING ◆ ◆ ◆

### 3-D Animation and Videotitling Service

3-D Animation and videotitling services available. Just send materials or arrange an appointment for consultation. Work can be done on half-inch, three quarter-inch sp, or one-inch format and betacom. \$85.00 per hour.  
*TV One Productions, 800 N. Delsea Dr. #8, Westville, NJ 08093, (609) 853-1229*

### 3D Text Animator

Automates production of animation of text strings. Facilities to extrude, spin, fly or match text into or out of display. ANIM format result can be loaded into other programs such as DeluxePaint. Results can be played directly from hard drive or floppy. \$49.95  
*Mindware International, 110 Dunlop W. Box 22158, Barrie, Ontario, Canada L4M 5R3, (705) 737-5998*

### TV GRAPHICS

TV GRAPHICS is a two-disk set video graphics background art to be used in desktop video presentations or professional video applications. Screens include marble, wood, brick, fiber, and decorative backgrounds. Also included are sets of frames for dubbing in external video sources. All screens are created in interlace overscan for direct video work. Backgrounds can be used with multi-media authoring systems, video titling, and paint software. \$49.95  
*Slide City, 6474 Highway 11, DeLeon Springs, FL 32130, (904) 985-1103*

### TV GRAPHICS 2

TV GRAPHICS 2 is the latest in the TV GRAPHICS video clip art series. TV GRAPHICS 2 is a two-disk set of video background art to be used in desktop video. New screens include more marble and wood, carpet, plaster bricks, and many more. All screens are created in interlace overscan for direct video work. Backgrounds can be used with multi-media authoring systems, video titling, and paint software. \$49.95  
*Slide City, 6474 Highway 11, DeLeon Springs, FL 32130, (904) 985-1103*

### Video Effects 3-D

TV Network-style 3-D perspective special effects generator for the Amiga. Creates super smooth 3-D effects using 2-D high-res IFF pictures. The user controls each picture's 3-D path, speed, tumbles, turns, spins, and zooms, with an interactive real-time wire frame preview. The 3-D extrusion option creates 3-D solid logo from flat text. Super smooth effects playback at 60 fields/sec. \$199.95  
*Imovision Technology, 1933 Davis Street, San Leandro, CA 94577, (415) 638-8432*

## ◆ ◆ ◆ ANIMATION ◆ ◆ ◆

### A Twist of Fate

More ANIMbrushes that are subject to stress on all axes, resulting in drastic dimensional aberrations. Can be combined with the 'Plato' ANIMbrushes to create some startling animation scenarios. Three disks of ANIMbrushes and free animation disk. \$39.95  
*Eyeful Tower Comm. / Earful Tower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

### Animation: Apprentice

Includes shading, highlights, scripting playback, record, object editor, and texture mapping. \$299.95  
*Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443*

### Animation: Effects

Flip, scroll, fade titles, or any IFF picture. Includes specular and diffuse reflection. Has full transformations. \$49.95  
*Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443*

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## Animation: Flipper

Pack a series of IFF pictures so that they animate in real time. Batch entry for cycling. A Pencil-Test program. \$59.95  
*Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443*

## Animation: Quick2D

Animation: Quick2D elegantly and efficiently creates interesting 2-1/2-D animations. Think of 2-D animations as cardboard cutouts with pins holding them together at the joints. You can define the hierarchy of the cutouts so that if an arm moves, so does the hand. Each cutout can be on a different layer so that a character can pass between objects. Motion is Keyframed and interpolates between frames automatically. Quick2D supports multiple IFF resolutions, including overscan, PAL, and HAM. It saves animations in the popular ANIM opt 5 and HAM formats, and has real-time wireframe preview. \$79.95  
*Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443*

## Animation: Rotoscope

Animation paint program featuring two layers. \$79.95  
*Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443*

## CANVAS

CANVAS is a three-disk collection of 13 animation demos and five pictures that can be loaded into your favorite paint editor, such as DeluxePaint III. The animators were developed in the traditional style of animation, and can be found nowhere else except in CANVAS. One MB of memory is suggested as most of these animations run at 15 fps and range from 60 to 120 frames long. \$30.00  
*Silver Fox Software, P.O. Box 551413, Dallas, TX 75355-1413, (214) 349-1681*

## Digifaces 1,2,3

Animated (ANIMbrushes) eyes, mouth, and other elements combine on screen to produce an entertaining package for Amiga users of all ages. Professional applications include use for video animation, titling, and television bumpers. Price is \$59.95 per set of three disks.  
*EyeFullTower Comm. / EarFullTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## DynaCADD

DynaCADD is a 2-D and 3-D computer-aided design and drafting software solution that will turn your computer into a sophisticated and powerful CADD workstation. With electrical, mechanical, architectural, or civil applications, DynaCADD provides a total design and drafting solution. DynaCADD revises, designs, and details drawing in 2-D and 3-D, reads and writes the industry's standard file formats. DynaCADD offers an alternative solution to expensive, difficult-to-use CADD systems and brings mainframe CADD capabilities to the CADD Professional at a fraction of the cost. DynaCADD combines an extensive collection of features, uncommonly fast display speed, and seamless performance. DynaCADD's attention to ease of use drastically reduces the learning period normally associated with CADD packages. DynaCADD supports OS Version 1.3/2.0, NTSC, PAL/SECAM, ECS Graphic Modes, and Multitasking. DynaCADD package includes: 68000 and 68020/68030 Versions, 10 AGFA Compugraphic Fonts and four additional CAD Fonts, Vector Font/Hatching Editor—14 pre-defined hatching patterns including, background plotting. File Formats: DynaCADD Export, Sculpt 3D, VideoScape, LightWave, Imagine, HPGL, DMPL, Calcomp, PostScript®, Encapsulated PostScript, Xerox Ventura IMG Files, GEM®/META Files, IFF ILBM and Import or Export DXF 2D and 3D. \$995.00  
*Ditek International, 2800 John St., Unit 15, Markham, Ontario, Canada L3R 0E2, (416) 479-1990*

## Fantavision

Easy-to-use animation for beginners and advanced users. Features object-oriented drawing tools, digitized sound effects, tweening, and transformation. Fantavision can generate 64 intermediate animation images for every frame drawn, resulting in amazing magic motion and special effects. \$59.95  
*Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263*

## Imagine

Imagine is the next generation in rendering animation systems for the Amiga computer system. It is now possible to perform functions on the Amiga that have been left to much larger computer platforms. In many areas Imagine is capable of functions that are not available on these larger platforms. With the use of 24-bit rendering techniques, Amiga owners can now compete in the world of professional animations at a much lower cost than has been available to date. \$350.00  
*Impulse, Inc., 6870 Shingle Creek Parkway #112, Minneapolis, MN 55430, (612) 566-0221*

## LightBox™—The Drawing Tool for Animators

LightBox™ patented animation software automatically shows you the previous and following drawings as if they were stacked up with pegs on a conventional light box. The drawings are shown in contrasting colors for easy identification. You fill in your animation by creating additional drawings in between the ones shown. This allows for true pose planning and smooth inbetweening. You can flip your drawings as you work to instantly see them animated at true speed. \$189.00  
*R & D L Productions, Inc., 40 Liss Rd., Wappingers Falls, NY 12590-1609, (914) 298-8968*

## ◆ MakePath 1.0

A motion-editing tool for use with all Vista or VistaPro landscapes, including those created with TerraForm. It will allow you to create complex animation sequences with a few simple mouse clicks. Sessions can be saved and restored for later editing and refinement. MakePath uses a 3-D spline based system for path creation and editing which allows the program to have intelligence. The user has full control over the motion of the model. The program can incorporate user definable controls such as acceleration rates, control over bank, and pitch. It provides an interactivity with the user that is unattainable with key frame systems, providing almost real time editing capabilities. Simple point and click interface. Order direct from VRLL. \$39.95  
*Virtual Reality Laboratories, Inc., 2341 Gamador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## ◆ Map Master for Lightwave 3D

This three-disk set includes a comprehensive manual containing complete descriptions of the Image Mapping capabilities of Lightwave, hints on how and where to use them, and descriptions of each of the 14 hi-res professionally scanned organic textures included on two disks of the package. All the 3-D objects and the Scene or .imp files are included for the user to recreate the Map Master screens and experiment further. Map Master also offers a wide array of effects through the included Images to use for your own renderings. It features combinations of Image mapping to produce dazzling effects. The Lightwave version and its objects are pre-formatted to take advantage of the additional mapping techniques offered in version 2.0, and will use the features as soon as you get the upgrade. \$99.95  
*Computer Imagery, 49 Walnut Ave., Shelton, CT 06484*

## MovieSetter

Novice animation program lets you create action cartoon sequences with full stereo sound, in minutes. Easy-to-use interface allows you to rapidly produce complex animation sequences several minutes long with only 1MB of memory. Use built-in, professionally-drawn movie clip files or make your own 32-color images from within the program. Imports IFF graphics, generates sounds, and attaches stereo sounds to characters. Special features include color cycling, 60 frame/sec. playback, and linear and optical guides to help you create special animation effects. Full overscan lets you save features to your home library. Requires 1MB and only one drive. \$69.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

## PageFlipper Plus F/X, Version 2.0

Full-screen IFF image and special effects program. All resolution levels; all modes. Tutorials help you tailor your animations for maximum speed (in low-res 40-60 frames/sec., hi-res 20-30 frames/sec.). Well-designed interface, interactive script editor, context sensitive help facility, virtually unlimited full-screen, ANIM support, player program. Loops-within-loops, animations upside-down or left to right, and global or frame-by-frame foregrounds.

Color cycling, palette changes, and more. PageFlipper Plus F/X 2.0 will also come with PageSync, a recently-announced peripheral software utility from Mindware that lets anyone synchronize Amiga graphics with external MIDI devices, such as synthesizers, drum machines, or other computers running MIDI sequencing software. \$299.00

*Mindware International, 110 Dunlop W. Box 22158, Barrie, Ontario, Canada L4M 5R3, (705) 737-5998*

## Photon Video Cel Animator

Animates and plays back in any sequence. Allows color and sound synchronization. Continuous play option replays screens in continuous loop. Sound synchronization, color. Fully compatible with most art, animation, and rendering software. \$49.95  
*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

## Plato's Revenge

Twisting and compressing ANIMbrushes based upon the Platonic Solids. Useful in developing interesting animations and segues between scenes, and in discovering the intricacies of 3-D movement. An excellent choice for educational use. Three disks of ANIMbrushes and free animation disk. \$39.95  
*EyeFullTower Comm. / EarFullTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## Real3D version 1.4

The program has been fully updated to meet the requirements of the most demanding users and now contains features that will surprise even the most creative minds. Real3D supports solid modeling, boolean operations, free form modeling tools with point editing, a full raytracing, 24-bit rendering, Phong shading, anti-aliasing adjustable in 8 levels, three different dithering methods, under Workbench 2.0 adjustable image size max 32000 x 32000 (OS limits). It also includes several ways of texture mapping with bump mapping, clip mapping, horizontal and vertical texture tiling, flip and gradient function, and animated textures. More accurate and easily editable control for motions of objects and even the observer and aim point can be located in the object hierarchy. Other features include undo function, 25% better memory management, visible grid, clearer indication of the selected object, defining measures and coordinates accurately by using the keyboard. Real3D is available in two versions. Read3D \$199, and Real3D Professional \$499. Distributed by Programs Plus & Video, 544 Queen St., Chatham, Ontario, Canada N7M 2J6, (519) 436-0988.  
*Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidoost, The Netherlands, (011) 312-0691-1914*

## ● Scenery Animator

With Scenery Animator you can easily create photorealistic animations or single frames of real world and fractal terrain with clouds, water, snow, clouds, lakes, and vegetation. Detailed 30-meter USGS data for Yosemite and the Grand Canyon are included, and many more are available. Supports 3-D camera positioning, direction, and zooming. Has a built-in keyframe animation interface that allows straight and curved camera flight paths and automatic tweening. Produces ANIM5, IFF, DCTV and 24-bit IFF files for use with frame buffers. AmigaDOS 2.0 and PAL compatible. \$99.95  
*Natural Graphics, 4603 Slate Ct., Rocklin, CA 95677, (916) 624-1436*

## Surface Master for Imagine

Surface Master provides you with a large number of predetermined surfaces while instructing you on Imagine's surface capabilities. The settings for the Preset Materials have been carefully chosen to work in the widest array of circumstances. By studying the sample screens and objects, you will gain the ability to create your own surface settings with confidence. To utilize Surface Master a general knowledge of the Amiga and Imagine is assumed.  
*Computer Imagery, 49 Walnut Ave., Shelton, CT 06484*

## ◆ TerraForm 1.0

TerraForm is the Vista and VistaPro Digital Elevation Model (DEM) terrain editor. With it you can modify an existing landscape or create your own. Add dams to rivers, roads climbing up mountains, put your own face on Mars. Create new and original landscapes using tools to build mountains, make craters, flatten or roughen areas, and paint elevations. Can be used to modify any non-ex-



tended Vista or VistaPro. Paint by elevation on the topographic representation map, or in the 3-D as they are being made on the topographic map. Order direct from VRLI. \$39.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## The Animation Studio

The Animation Studio is the only full-featured animation and paint program to utilize state-of-the-art cel animation techniques characteristic of Disney-style animation. Features exclusive 'onion skin' technology for viewing multiple cels simultaneously, plus full paint functions, Disney animation tutorials, and a library of Disney character and background art. \$179.95  
**Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360**

## The Director Version 2

Animation/presentation language compatible with IFF pictures, sounds, and ANIM files. Performs dissolves, wipes, page flipping, and more. Provides full interactive presentations capabilities. \$129.95  
**Right Answers Group, The, P. O. Box 3699, Torrance, CA 90510, (213) 325-1311**

## ◆ The Personal SFC

The Personal SFC is a low-cost hardware and software solution that bridges the gap between single-rendered images and a completed video animation. It is fully compatible with NewTek's Video Toaster, Impulse's FireCracker 24, Digital Creations' DCTV and Black Belt Systems' HAM-E. This single frame controller supports a host of frame accurate VTRs. Requires A2000 or A3000 with 1MB RAM min. 3-9MB recommended. Not AReX compatible. NTSC and PAL versions available. Also supports M.A.S.T.'s Colorburst. Supports a host of VTR's w/ time code. 3-9MB recommended for advanced conversion/display features. NTSC and PAL supported in one version. \$425.00  
**Nucleus Electronics, Inc., 10 Cross Ave., P.O. Box 1025, Nobleton, Ontario, Canada L0G 1N0, (416) 859-5218**

## The Talking Animator

Easy-to-use page flipper. Lets each frame have its own palette of colors from 4096. Incorporates talking text into any page of graphics to give you the ultimate doodle pad to create stories or cartoons. All documentation on-line; just press the HELP key. Ghosting feature lets you see images from previous pages for graphics placement and smooth animation. The output works well with genlocks. Runs with 512K but 1MB recommended. Shipped with data disk full of animations. \$49.95  
**JMH Software, 7200 Hemlock Lane, Maple Grove, MN 55369, (612) 424-5464**

## Tomorrow Ships

Rocketplanes and satellites to populate your Amiga galaxy. All of the ANIMbrushes are created in hires 8 and 16 colors, and require a 1MB of RAM to use effectively. Two disks of ANIMbrushes and a bonus animation disk. \$39.95  
**EyeFulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293**

## Touch & Go Animation System

Automates the process of creating finished titling animations, complete with synchronized sound effects. The user can create a broadcast quality 2-D animation in less than 60 seconds. Just type in text, choose from among several special effects, then watch and video tap the completed animation. It is a self-contained, stand-alone system, and requires no authoring or paint program or user knowledge of animfonts or animbrushes. Sets currently available include Amigan Graffiti, Fireworks, and Pinball. Each set comes complete with the editor/player program, digitized sound effects, and several animfonts. Requires 1MB RAM. Demo disk available. Sets sold separately. \$39.95  
**MBZ, 6023 Kilgore Ave., Muncie, IN 47304, (317) 288-0009**

## VIVA Presents

Create interactive multimedia presentations with the click of a mouse. Mix and synchronize still images, animations, text, digital sound and music for dynamic presentations. Take full advantage of the Amiga Interface with buttons, function keys, etc. \$79.95  
**Knowledge Media, 436 Nunneley, Paradise, CA 95969, (916) 872-3826**

## ◆ New Product Listing

● AmigaDOS release 2 Compatible (Vendor Verified)

## VistaPro

VistaPro creates beautiful painting-like landscape views and animations of Earth and Mars scenery, using Gouraud shading, hi-res, interlace and overscan. Saves and displays in 24-bit, hi-res, interlace, overscan or HAM. Saves images as IFF, IFF24, Turbo Silver objects (compatible with Imagine), and in 24-bit RGB for frame buffer output. Script support for animation modes: IFF, IFF24, RGB, and VistaPro's proprietary VANIM. Animation player for VANIM files from hard disk included. Scripting preview function shows path your animation follows through landscapes. Unlimited lighting positions. Compatible with Toaster, DCTV, Ham-E Board, Firecracker, Mimetics Frame Buffer. New landscapes included. Inexpensive upgrade. Requires 3MB on NTSC, 3.3MB for PAL. \$149.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## ◆ VistaPro Scapes-Grand Canyon Set #3

Grand Canyon Resort, Great Thumb Mesa, Middle Granite Gorge, Point Sublime, Bright Angel Canyon, Marble Canyon, Granite Gorge, Desert Facado, The Abyss. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## VistaPro Scapes-

**Valles Marineris/Mars Expansions**  
 The Valles Marineris Mars set allows the user to explore the 'Grand Canyon' of Mars, an area approximately the length of the United States. The data for this set was obtained from NASA. The chasmas which have been discovered and named on this set are Nootis, Labyrinthus, Tithonium, Hebes, Ius, Cander, Ophir, Melas, overlapping landscapes for animation. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## VistaPro Scapes—

**California Set-Inland Empire Area**  
 This set contains an overlapping set of landscapes covering a contiguous area including Mission Viejo, Modjeska, Santiago Peak, Saddleback, Ontario, Corona, Norco, Riverside and San Bernardino, and the surrounding area. Six disks. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## VistaPro Scapes—

**California Set-Los Angeles area**  
 This set contains an overlapping set of landscapes covering a contiguous area including Pomona, La Puente, Glendora, Palmdale, Agua Dulce, the city of Los Angeles, Pasadena, Glendale and Hollywood, and the surrounding area. Six disks. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## VistaPro Scapes—

**California Set-Mountain Resorts**  
 This set allows the user to explore some of Southern and Central California's beautiful mountain vacation spots: Mt. Baldy and a series of landscapes covering the area around Mt. San Antonio, Lake Arrowhead and its surrounding areas, Mt. San Geronimo, which covers the area south of Big Bear Lake, and Big Sur, which shows a series of landscapes covering the Pfeiffer Big Sur area along the California Central Coast. The package includes 68 overlapping landscape for animation. Six disks. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## VistaPro Scapes—

**California Set-Orange County Area**  
 This set contains an overlapping set of landscapes covering a contiguous area including Costa Mesa, Irvine, Anaheim, La Habra, Inglewood, Torrance, Long Beach, Huntington Beach, Downey, and the surrounding area. Six disks. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## VistaPro Scapes—

**California Set-San Diego Area**  
 This set contains an overlapping set of landscapes covering a contiguous area including Del Mar, La Jolla, San Diego, Chula Vista, San Clemente, National City and Vista, and the surrounding area. Six disks. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## VistaPro Scapes—

**California Set-Simi Valley Area**  
 This set contains an overlapping set of landscapes covering a contiguous area including Castaic Lake, Lake Piru, Saugus, Newhall, San Fernando, Thousand Oaks, Santa Monica, Malibu and the surrounding area. Six disks. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## ◆ VistaPro Scapes—

**California Set-Yosemite Valley**  
 Grand Canyon of the Tuolumne, Half Dome, El Capitan, Bridal Veil Falls, Mt. Starr King, Badger Pass, Tenaya Lake, Mt. Hoffman, Pettit Peak, Lake Eleanor, Yosemite National Park, Pinnocchio Peak, Raymond Mountain, Devil Peak. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## VistaPro Scapes—

**Colorado River Set-Hoover Dam Area**  
 This set contains an overlapping set of landscapes covering a contiguous area including Lake Mead, Hoover Dam, Petroglyph Wash, Boulder Canyon, Bonelli Bay, and a portion of the Colorado River bordering both Arizona and Nevada. Six disks. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## VistaPro Scapes—

**Colorado River Set-Lake Mead Recreational Area**  
 This set contains an overlapping set of landscapes covering a contiguous area including the Lake Mead Recreational Area, Ringbolt Rapids, Willow Beach, Mojave Mine, Spirit Mountain, Davis Dam, and a portion of the Colorado River bordering Arizona, Nevada and California. Six disks. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## ◆ VistaPro Scapes—Colorado Ski Areas Set

Breckenridge, Dillon Reservoir, Ten Mile Range, Vail Pass, Quandary Peak, Alma, Mt. Democrat, Mt. Lincoln, Leadville, Sheep Mountain, Mt. Sherman, Tennessee Pass. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## ◆ VistaPro Scapes—Glacier National Park

Glacier National Park, Mt. Hudson Bay Divide, Continental Divide, Flattop Mountain, Mt. Wilbur, Logan Pass, Lake Helena, Boulder Ridge, Heavens Peak, St. Mary Lake, Red Eagle Mountain. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## VistaPro Scapes—

**Grand Canyon Set #1-Western Exposure**  
 This set contains an overlapping set of landscapes covering a contiguous area including Vulcan's Throne, Whitmore Rapids, Lower Granite Gorge, a portion of Grand Canyon National Park, a portion of the Lake Mead National Recreation Area, Snap Canyon, and a portion of the Colorado River bordering Nevada and Arizona which has carved out the western portion of the Grand Canyon. Six disks. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## VistaPro Scapes—

**Grand Canyon Set #2-Western Exposure**  
 This set contains an overlapping set of landscapes covering a contiguous area including Pipe Spring National Monument, Fredonia, a portion of the Kaibab Indian Reservation, Kanab Plateau, Kanab Creek, a portion of the Grand Canyon National Park, the Dome, Mount Sinyala, and a portion of the Colorado River in Arizona which has carved out the western portion of the middle of the Grand Canyon. Six disks. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

## ◆ VistaPro Scapes—Grand Tetons-Idaho Set

Teton River, Teton Basin, Teton, Targhee National Forest, Poker Peak, Snake River Range, Palisades Peak, Bald Mountain, Palisades Reservoir. \$79.95  
**Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515**

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# Graphic Arts

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## ◆ VistaPro Scapes—

**Kings Canyon National Park**  
Kings Canyon Monarch Divide, Mt. Pinchot, Mt. Bradley, Mt. Clarence King, Kearsarge Pass, Mt. Williamson, Mt. Baxter, Mt. Brewer, Mt. Silliman, John Muir Wilderness. \$79.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

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**Mammoth Lakes and Mountain Set**  
Mono Lake, Tioga Pass, Tuolumne Meadows, Minaretts Wilderness, Cathedral Range, Ritter Range, June Lake, Convict Lake, Devils Postpile National Monument. \$79.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## ◆ VistaPro Scapes—San Francisco Bay Set

San Rafael, Richmond, Pleasant Hill, San Francisco, Oakland, Hayward, Half Moon Bay, San Mateo, Menlo Park, Palo Alto, Sunnyvale, Mountain View. \$79.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## ◆ VistaPro Scapes—Sequoia National Forest

Giant Forest, Big Bird Lake, Triple Divide Peak, Mt. Whitney, Mt. Langley, Crabtree Lakes, Mt. Kaweah, Paradise Peak, Mineral King, Florence Peak, Kern River, Coyote Peaks, Kern Peak. \$79.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## VistaPro Scapes—

**Southern Colorado River Expansion Set**  
This set contains an overlapping set of landscapes covering a contiguous area including Moon Mountain, Blythe, La Paz Mountain, Dome Rock Mountains, Cibola National Wildlife Refuge, Imperial Dam, Yuma and a portion of the Colorado River bordering Arizona and California. Six disks. \$79.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## ◆ VistaPro Scapes—

**The Appalachian Trail-Virginia Set**  
Appalachian Trail, Shenandoah River, Shenandoah National Park, George Washington National Forest, Blue Ridge Mountains, Thornton Gap, Madison, Virginia. \$79.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## ◆ VistaPro Scapes—

**Western USA Potpourri Set**  
A selection of the most spectacular sites in the American West. Not overlapped. Includes portions of the Grand Canyon, Colorado River, Grand Tetons, Devil's Tower, Undersea mountains, Southern California, and Hawaii. \$79.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## VistaPro Scapes—

**Wyoming Set-Famous Vacation Spots**  
This set contains four overlapping sets of landscapes covering the areas surrounding Old Faithful, Gannett Peak (the highest point in Wyoming), Flaming Gorge National Recreational Area, and Devil's Tower National Monument. Six disks. \$79.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## VistaPro Scapes—

**Wyoming Set-Jackson Hole area**  
This set contains an overlapping set of landscapes covering a contiguous area including Jackson Hole, Grand Tetons, Two Ocean Lake, Jackson Lake, Ranger Peak, Jenny Lake, Moran and Teton Village, and the surrounding area. Six disks. \$79.95  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## ◆ ◆ ◆ ANIMATION ◆ ◆ ◆ & UTILITIES

### AMIGA-SF

These are the first in a series of over 25 volumes of ANIMbrushes for Amiga science-fiction fans and movie-makers. Each of the disks contains startling hi-res 8- and 16-color SF elements. The first three sets focus upon rockets and other 3-D craft. Future volumes will contain all of the other elements needed to create a full Amiga-produced animated 3-D feature video. Volumes 1A, 1B, 1C: Two disks of ANIMbrush 3-D spacecraft plus an extra are disk of a completed animation. Volumes 2A, 2B, 2C: Two disks of ANIMbrush 3-D spacecraft plus an extra-terrestrial planets and cosmic scenes (HAM) to genlock with your animations. Volumes 3A, 3B, 3C: Two disks of ANIMbrush 3-D spacecraft plus an extra-terrestrial planets and cosmic scenes (HAM) to genlock with your animations. Two disk set. \$69.95  
*EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

### ART DISKS

Each of these 10 disks sell for \$10.00 each and represents some of the work accomplished by one of the Amiga's most published and prolific artists. The first two were created to demonstrate the PROPS/Scene Generator interface, and the rest cover many subject areas and methods of electronic painting. The entire 10-piece set may be purchased for \$85.00. \$10.00  
*EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

### Aegis Animagic

Animagic lets you perform amazing special effects with both IFF picture files and ANIM-style animations. Create spectacular DVE effects with your favorite pictures or ANIM's from VideoScape 3D, VideoTitrer, or Deluxe Paint. You can even design your own unique effects. Using the powerful ANIM editor, the resulting ANIM files can then be edited, enhanced, or spliced together for longer movies. Includes sample animations and pictures and a special math coprocessor version of the program for Amigas equipped with 68020 and 68881 processors. \$139.95  
*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

### Animation Station

Storyboard animation editor for editing and manipulating standard, Op-Code5 Amiga animations. Thousands of special effects. Combine multiple animations into one, or place one animation on top, behind, at the beginning, or end of another. \$49.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144*  
**Please see display ad page 5.**

### Animation: Editor

Animation resolution and format conversion, plus editing. \$59.95  
*Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443*

### Animation: Libraries

Library of objects for use with Animation: Apprentice. Including dragons, knights, people, Christmas, and dinosaurs. \$24.95  
*Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443*

### Animation: Multiplane

Multilayering and special effects for animations. \$89.95  
*Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443*

### Animation: Soundtrack

Soundtracksynchronization and editing for ANIM-compatible animations. \$119.95  
*Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443*

### Animation: Stand

Performs functions similar to a real camera animation stand. Includes distortion and zooming. A must for the serious animator. \$49.95  
*Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443*

### CellPro Version 1.1

Cellular automata art and animation system for video titling, research, recreational computing, algorithmic art, and educational applications. Generates images in up to 16 colors on Amiga 320 x 200 screen (overscan support also included, PAL available). Includes six built-in CA algorithms (Arithmetic, Life, Replicate, and more). Powerful Designer Mode for user-designed two-state CA algorithms with four or eight neighbors (many examples on disk). AutoSave feature for rapid compilation of image sequences for conversion to ANIM

files. Load/Save IFF images, Load/Save Designer Mode algorithms. Compatible with Amiga graphics and paint programs. 2.0 compatible. \$89.95  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*

**Please see display ad page 17.**

### Digimate 3

This animation facility allows one to open, append to, and play ANIM format animations interactively. Since these animations can be stored and played from RAM, hard drive, or even floppy, the animation size is limited only by the storage capacity of one's hard drive. Digimate 3 also includes powerful ANIM processing capability, allowing the videographer to convert entire animations with the click of the mouse. Digimate 3 opens up an entirely new world of creativity to graphics users seeking to take advantage of the photorealistic qualities of HAM imagery. \$39.95  
*Mindware International, 110 Dunlop W. Box 22158, Barrie, Ontario, Canada L4M 5R3, (705) 737-5998*

### Fractal Movie 1

Fractal animation of Julia Set zoom created with FractalPro in 256-color HAM graphics mode. Animation clip art for use with ANIM generator and editing programs. Includes self-running display program. \$10.00  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*  
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### Fractal Movie 2

Fractal animation of Julia Set cascade sequence created with FractalPro 4.0 in 256-color HAM graphics mode. Animation clip art for use with ANIM generator and editing programs. Includes self-running display program. \$10.00  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*  
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### Fractal Movie 3

Fractal animation pulsating 'cube' Julia Set created with FractalPro in 256-color HAM graphics mode. Animation clip art for use with ANIM generator and editing programs. Includes self-running display program. \$10.00  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*  
**Please see display ad page 17.**

### FractalPro 4.0

Fractal art and animation system utilizing high-res HAM 256-color graphics mode to generate Mandelbrot, Julia, 'cube' Mandelbrot, and 'cube' Julia still images and smooth pan, zoom, tween, and cascade animation sequences. Provides 12 types of fully automated animation sequences with four increments of motion, with eight pan directions, zoom in/out, tween, and cascade, zoom up to 200 trillion magnification, generate fractal landscape files for 3-D rendering in Vista (tm) and VistaPro (tm). Fast 100% assembly language. Includes automatic support for 68020/030 Amigas, overscan support, and PAL version available. Compatible with HAM paint and animation utility programs. 2.0 compatible. \$99.95  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*  
**Please see display ad page 17.**

### ImageFinder

ImageFinder is a great utility for finding graphic files by looking at miniatures (called thumbnails) of the images in full color or in gray scale. Disk volumes and/or directories are scanned for ILBM or ANIM files to create an index file. Thumbnails stored in index files can be browsed directly or after being sorted. The drawer and file name of a selected image can be automatically entered in the file requester of an application. 512K required. \$65.00  
*Zardoz Software, 12036 Nevada City Highway, Ste. 192, Grass Valley, CA 95945, (916) 274-8311*

### KARA FONTS-AnimFonts® 1

ChromeSCRIPT is an eight-color formal script in caps and lower case and comes in both a Keyboarded and an AnimFont. Each letter appears to be handwritten across the screen. Additional palettes included along with utility programs to use ColorFonts. One disk \$49.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177*



## KARA FONTS-AnimFonts® 2

Bullion is a dimensional, beveled, highlighted, uppercase, gothic 8-colorfont and comes in both a Keyboarded and AnimFont. The AnimFont rotates onto the screen 90 degrees on the Y axis to the left while a glint of light travels across the face. Also includes additional palettes and utility programs to use ColorFonts. One disk. \$49.95

Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177

## KARA FONTS-AnimFonts® 3

Capsule is a hi-res eight-color metallic, rounded gothic, uppercase contemporary font 'which sparkles on' from the middle revealing characters to the top and bottom. Then, a sparkles goes across each letter from the left to the right. A separate sparkle for custom effects is included. Comes in both keyboard and ANIMfont format with palettes of chrome, gold, metallic, and silver. One disk. \$49.95

Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177

## KARA FONTS-STARFIELDS

Animated hi-res 704 x 480 overscan, Starfield backgrounds in three views: front, diagonal, and side. Each comes in a two-color version fast loading to dump to video and 16-color palette version to include two different KARA FONTS or one KARA FONT and an included animated object such as an Earth, moon, satellite or an asteroid. Compatible with DPaint 3 and other programs that use the ANIM and animbrushes format. Two disks. \$59.95

Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177

## Media Line

All backgrounds are made with standard VideoScape 32-color palette. Works well with other animation packages. The 30 backgrounds are situated in four drawers, Scenic, Textbacks, Structures, and High Tech. Backgrounds are in interlaced lo-res to get maximum resolution and in overscan to eliminate borders when transferring to videotape or film. \$39.95

Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609

## MovieClips

Additional backgrounds, animations sequences, and sounds for MovieSetter. Can be used with any IFF program. \$34.95

Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## OLO Animated Fonts 1

Marmor is a hi-res, eight color, marble-looking, massive, and impressive font in caps that comes both in keyboard and ANIM Brush-format. Keyboard version supports most characters in German, French, Spanish, & Scandinavian. Two sizes (120 & 140 pts.). Animated version covers letters A-Z in 120 pts. Each animated letter grows from out of dull stone. Then it's illuminated and thereby it lets the beautiful marble pattern appear. There are 49 frames per letter. Comes standard in Ivory-palette with different, suitable marble palettes added. Two disks and a thorough 40-page user manual in English included. Requires minimum of 1.5 MB RAM. \$59.95

ArtoVinjett, Bjalvus v.65, S12174 Jhov, Sweden, (011) 468-649-7702

## OLO Animated Fonts 2 (Glider)

Glider is a hi-res, 8-color, metal-looking, attractive and shiny font in lower-case looking caps that comes both in keyboard and ANIM Brush-format. Keyboard version supports most characters in German, French, Spanish, & Scandinavian. Two sizes (108 & 128 pts.). Animated version covers letters A-Z in 108 pts. Each animated letter is exploded into position. The next sequence shows a beam of light traveling through the brim and surface of each letter from left to right with sparkles further enhancing the impression. There are 42 frames per letter and comes standard in sober green/brown-palette with 6 other palettes added. Two disks and a thorough 40-page user-manual in English included. Requires minimum of 1.5MB RAM. \$59.95

ArtoVinjett, Bjalvus v.65, S12174 Jhov, Sweden, (011) 468-649-7702

## OLO Animated Fonts 3 (Gold)

Gold is a hi-res, 8-color, gold looking, clear and exclusive font in caps that comes both in keyboard

and ANIM Brush-format. Keyboard version supports most characters in German, French, Spanish, & Scandinavian. Two sizes (113 & 133 pts.). Animated version covers letters A-Z in 113 pts. Initially each letter is blurred with a crude mosaic pattern. This pattern is rotated into position from the distance. The next sequence shows the crude pattern becoming increasingly redefined and the crisp definition of the letter appears. There are 40 frames per letter and comes standard in fancy gold-palette with nine other palettes added. Two disks and a thorough 40-page user manual in English included. Requires minimum of 1.5 MB RAM. \$59.95

ArtoVinjett, Bjalvus v.65, S12174 Jhov, Sweden, (011) 468-649-7702

## PageSync Module

### for PageFlipper Plus F/X V. 2.0.

Allows external MIDI devices to drive animations in PageFlipper Plus F/X, and allows animations to drive MIDI devices. Also allows sound synchronization with AMIGA sound. \$99.95

Mindware International, 110 Dunlop W. Box 22158, Barrie, Ontario, Canada L4M 5R3, (705) 737-5998

## Spheres 1

Clip art of 3-D lighted, shaded spheres texture wrapped with FractalPro 256-color HAM fractal image. Includes complete ANIM file of rotating fractal sphere and still images for use with HAM paint programs. \$10.00

MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

Please see display ad page 17.

## Spheres 2

Second disk of clip art of 3-D lighted, shaded spheres texture wrapped with FractalPro 256-color HAM fractal image. Includes complete ANIM file of rotating fractal sphere and still images for use with HAM paint programs. Includes utility programs for separating ANIM files into individual frames and combining ANIM files. \$10.00

MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

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## Toolkit for The Director

This disk is packed with features and enhancements to expand the capability of The Director. New wipe routines, a palette selector, a pie chart generator, and more. The new and enhanced BLIT Utility has a powerful interface to help create Wipe, Dissolve, and BLIT operations. It also automates the process of moving an object over a background, generating a complete working script. \$39.95

Right Answers Group, The, P. O. Box 3699, Torrance, CA 90510, (213) 325-1311

## Touch & Go Animation System

Automates the process of creating finished titling animations, complete with synchronized sound effects. The user can create a broadcast quality 2-D animation in less than 60 seconds. Just type in text, choose from among several special effects, then watch and video tapae the completed animation. It is a self-contained, stand-alone system, and requires no authoring or paint program or user knowledge of animfonts or animbrushes. Sets currently available include Amigan Graffiti, Fireworks, and Pinball. Each set comes complete with the editor/player program, digitized sound effects, and several animfonts. Requires 1MB RAM. Demo disk available. Sets sold separately. \$39.95

MBZ, 6023 Kilgore Ave., Muncie, IN 47304, (317) 288-0009

## WHOOSH!

Three separate sets are offered in the WHOOSH! series. These are multicolored ANIMbrushes in hi-res 8 and 16 colors. All were designed with the Amiga artist and animator in mind, and all play quite well in the video environment. They also genlock well to the user's choice of backgrounds. \$24.95

EyeFulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## ♦ ♦ ♦ ARTWORKS ♦ ♦ ♦

### Autumn Colors

A collection of digitized leaves in a splendor of fall colors. They are in interlaced HAM and are ideal for use with your HAM Paint programs or multimedia

presentations and desktop videos. NTSC, Workbench 1.3 and 2.0 compatible. Price includes shipping and handling. \$39.95

GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229

## Cafe Sketches

Includes 33 digitized images in interlaced hi-res (black and white) from original charcoal, pencil, or pen and ink drawings by Carlos A. Caicedo. These drawings include many stylized figures of people in coffee house settings and are ideal for use with your drawing program of multimedia presentations and desktop videos. NTSC, Workbench 1.3 and 2.0 compatible. Price includes shipping and handling. \$39.95

GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229

## Digital Art Gallery - Erotic Art: Funtime

Volume 1 of original art by award-winning artist Michael E. Brown. Six images per volume with presentation program included. You must be 18 years or older to order. \$50 for three-volume set. \$19.95

Imaging That!, 2593 Seneca Tr., Box 956334, Duluth, GA 30136, (404) 446-9417

## Digital Art Gallery - Erotic Art: Mind Puzzles

Volume 3 of original art by award-winning artist, Michael E. Brown. Six images per volume with presentation program included. You must be 18 years or older to order. \$50 for three-volume set. \$19.95

Imaging That!, 2593 Seneca Tr., Box 956334, Duluth, GA 30136, (404) 446-9417

## Digital Art Gallery - Erotic Art: Tessellation

Volume 2 of original art by award-winning artist, Michael E. Brown. Six images per volume with presentation program. You must be 18 years or older to order. \$50 for three-volume set. \$19.95

Imaging That!, 2593 Seneca Tr., Box 956334, Duluth, GA 30136, (404) 446-9417

## FractalShow 1

Self-running slide show of best images from FractalPro: Mandelbrot Sets, Julia Sets, ray-traced texture mapped fractal art in 256-color HAM graphics mode. Great backgrounds or clip art for HAM paint programs. \$10.00

MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

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## FractalShow 2

Second self-running slide show of best FractalPro HAM fractal art. Great backgrounds or clip art for HAM paint programs. \$10.00

MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

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## FractalShowPal

Slideshow disk of 256-color HAM fractal images created with FractalPro for PAL video systems. \$10.00

MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

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## Midnight Graphics

Midnight Graphics is a collection of original IFF artwork, most suitable for video applications. \$29.95

Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449

## Myra's World

Single HAM ANIM requiring 1MB memory and completely filling disk, of beautiful woman on whose fingertip appears a fractal world which rotates and vanishes. \$10.00

MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104

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## Pro-Quality Clip Art Multi-Screen Collection #1

IFF high-res format images. Symbols V1, cartoons V1, holidays V1, U.S. and world maps. 100% compatible with any IFF Paint, desktop publishing, or desktop videp program. Five disks, 450+ screens, each containing six to 12 drawings. \$99.95

Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

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# Graphic Arts

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**Pro-Quality Clip Art Multi-Screen Collection #2**  
IFF high-res format images. Symbols V2, Cartoons V2, Holidays V2, Sports V1, and Animals V1, 100% compatible with any IFF Paint, Desktop Publishing, or Desktop Video program. Five disks, 450+ screens, each containing six to 12 drawings. \$99.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933*

**Pro-Quality Clip Art Multi-Screen PreHistoric Animals**  
Twenty-four IFF high-res screens, each containing six to 12 prehistoric creatures, 100% compatible with any IFF Paint, desktop publishing or desktop video program. \$19.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933*

**Pro-Quality Clip Art Multi-Screen Airplanes V1**  
Fifty-two IFF hi-res format screens, each containing six to 12 airplanes—from the early Fokker to the modern F14, with 100% compatibility with any IFF Paint, desktop publishing, or desktop video program. \$19.95  
*Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933*

## ◆ ◆ ◆ CAD ◆ ◆ ◆

**Aegis Draw 2000**  
A powerful two-dimensional CAD system. Create structured drawings, up to 256 layers of information. Unlimited zoom levels, auto-dimensioning, and the ability to edit any line at any time are just a few of the features that make this program the solution to most CAD application needs. \$279.95  
*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

**Board Master**  
Board Master comes with a full autorouter from netlist and a substantial library of parts and physical styles. High density (two lines between pads) routing is supported, and all boards are design rule checked. Manual routing is also supported, as are trace size changes and host of other PCB features. Netlists are ASCII text and completely human-readable and editable. Comprehensive manual, non-copy protected, reliable, and bug free. Board Master is extremely fast-full screen redraw of packed board occurs in under one second on a stock Amiga. ARexx compatible, requires Floppy or HD based, 68000 thru 68030, with 1.5MB or more. \$99.95  
*Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230, (800) TK-AMIGA*

**DynaCADD**  
DynaCADD is a 2-D and 3-D computer-aided design and drafting software solution that will turn your computer into a sophisticated and powerful CADD workstation. With electrical, mechanical, architectural, or civil applications, DynaCADD provides a total design and drafting solution. DynaCADD revises, designs, and details drawing in 2-D and 3-D, reads and writes the industry's standard file formats. DynaCADD offers an alternative solution to expensive, difficult-to-use CADD systems and brings mainframe CADD capabilities to the CADD Professional at a fraction of the cost. DynaCADD combines an extensive collection of features, uncommonly fast display speed, and seamless performance. DynaCADD's attention to ease of use drastically reduces the learning period normally associated with CADD packages. DynaCADD supports OS Version 1.3/2.0, NTSC, PAL/SECAM, ECS Graphic Modes, and Multitasking. DynaCADD package includes: 68000 and 68020/68030 Versions, 10 AGFA Compugraphic Fonts and four additional CAD Fonts, Vector Font/Hatching Editor—14 pre-defined hatching patterns included, background plotting, File Formats: DynaCADD Export, Sculpt 3D, VideoScape, LightWave, Imagine, HPGL, DMPL, Calcomp, PostScript®, Encapsulated PostScript, Xerox Ventura IMG Files, GEM@META Files, IFF ILBM and Import or Export DXF 2D and 3D. \$995.00  
*Ditek International, 2800 John St., Unit 15, Markham, Ontario, Canada L3R 0E2, (416) 479-1990*

**IntroCAD**  
User-friendly, object-oriented CAD program. Delivers laser-like output on dotmatrix printers. \$49.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144*  
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**IntroCAD Plus**  
Like IntroCAD, but more powerful. Adds layers, hatching, ARexx support and more drawing tools. Also has user-definable keyboard equivalents. \$99.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144*  
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**Pro-Board**  
Professional PCB (Printed Circuit Board) layout package. Many features available. Working in conjunction with Pro-Net, they provide a complete solution from schematic to PCB that is cost effective, powerful, and extremely easy to use. Some features are not available even in packages costing much more. \$299.00  
*Prolific, Inc., 1808 W. Southgate Ave., Fullerton, CA 92633, (714) 447-8792*

**Pro-Board Personal**  
Entry level PCB (Printed Circuit Board) layout package of Pro series. Many features are available. It is an intelligent single line auto-router with high density capability. \$145.00  
*Prolific, Inc., 1808 W. Southgate Ave., Fullerton, CA 92633, (714) 447-8792*

**Pro-Net Personal**  
Entry level schematic capture package of the Pro series. Many features are available for producing professional grade schematics. It can also be used to produce flow charts, timing diagrams, block diagrams and organization charts. \$145.00  
*Prolific, Inc., 1808 W. Southgate Ave., Fullerton, CA 92633, (714) 447-8792*

**Pro-Net**  
Professional electronics schematic capture package. Many features available. Working in conjunction with Pro-Board, one of the most cost effective CAD tools for the Amiga. Minimum 1MB. \$245.00  
*Prolific, Inc., 1808 W. Southgate Ave., Fullerton, CA 92633, (714) 447-8792*

**SpeakerSim V2.1**  
Package for designing and optimizing loudspeaker systems. Design new systems or optimize existing ones. Analyzes speakers and enclosures via the Thiele-Small model. Features a variety of graphing modes, user-updatable data files, configuration files, full color control 640 X 200 or 640 X 400 screen resolution. Designs first, second, and third order high- and low-pass filters. Print to any Workbench printer, HPGL plotter, or PostScript printer. AmigaDOS 2.0 compatible, ARexx capable; save graphs in IFF format, and more. Requires 512K. \$112.00  
*dissidents, 730 Dawes Ave., Utica, NY 13502, (315) 797-0343*

**UltraDesign**  
Professional CAD system: Auto-Dimensioning, endless layers, full library support, user-definable keyboard commands, and menus. Paste-up module for plotting and scaling single or multiple drawings for output over one or several pages. Easy to use! \$199.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144*  
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**X-CAD Designer by CADVISION**  
X-CAD Designer is a full-featured, professional, 2-D design, and drafting tool. Ease of use, pull down menus, and a comprehensive tutorial guide the novice through the early stages of learning, while advanced users may configure the system to suit their own needs. \$149.95  
*American Software Distributors, 502 E. Anthony Dr., Urbana, IL 61801, (217) 384-2050*

**◆ X-Cad 2000**  
X-Cad 2000 is ideally suited for the first time CAD user. Automation of the design of architectural, mechanical, electrical and process engineering drawings is straightforward. Once these designs have been completed they may be projected or spun in true 3-D model space and viewed in orthographic, isometric or perspective orientations. NTSC or PAL, AmigaDOS 2.0 compatible. \$199.00  
*Applied Vector Technology Ltd, Point West, 1040 Uxbridge Rd., Hayes, Middlesex, UB4 0RQ, England, (011) 4481-569-3338*

**◆ X-Cad 3000**  
X-Cad 3000 with the manual weighing in at a mere 2kg—including Tutorial and Quick Reference Sections—this product offers higher performance for the professional CAD user including: industry standard graphics tablet support, powerful 3-D surfacing commands and automatic hidden line removal. X-Cad 2000 users upgrading to X-Cad 3000 need only pay the difference between the two products. \$599.00

*Applied Vector Technology Ltd, Point West, 1040 Uxbridge Rd., Hayes, Middlesex, UB4 0RQ, England, (011) 4481-569-3338*

**◆ X-Cad 3D**  
X-Cad 3D is for existing X-Cad Designer and X-Cad Professional users who require advanced 3-D modelling tools to complement their existing 2-D CAD software. NTSC or PAL available, AmigaDOS 2.0 compatible. \$499.00  
*Applied Vector Technology Ltd, Point West, 1040 Uxbridge Rd., Hayes, Middlesex, UB4 0RQ, England, (011) 4481-569-3338*

## ◆ ◆ ◆ CAD/PARTS ◆ ◆ ◆

**CAD Parts**  
Listing of over 150 electronic parts used for designing circuits. Can be used with IntroCAD and Aegis Draw. \$24.95  
*East/West Software, 73 Lorna Lane, Suffern, NY 10901*

**Floor Plan Library CAD/CAM**  
This library is a two-disk set consisting of over 220 room parts and 32 bath and kitchen room modules for use with Aegis 2D CAD program, Aegis Modeler 3D, and Gold Disk Pro Page programs. \$89.95  
*Madrigal Residential Designs, P. O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675*

**Framing & Foundation Library**  
A set of 45 drawings showing different foundation and framing conditions for wood construction. This two-disk set also contains over 120 parts for use in the creation and modification of construction details, for use with Aegis 2D CAD format programs as well as Aegis 3D and Gold Disk Professional Page programs. \$89.95  
*Madrigal Residential Designs, P. O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675*

**Interior Design CAD/CAM**  
A set of furniture parts for use with Aegis 2D CAD format programs. Contains over 275 different furniture pieces for use in interior design, concept development, and presentations. Designed to be used with or without the Floor Plan Library. \$89.95  
*Madrigal Residential Designs, P. O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675*

## ◆ ◆ ◆ CAD/UTILITIES ◆ ◆ ◆

**FUTEX**  
Professional outline font for XCAD Pro and XCAD 3000. Styled after Futura Medium, includes uppercase, lowercase, numerals, and punctuation. Reduced from \$39.00 \$29.00  
*Grafix Computing, 6680 Wiltsie Road, Panama, NY 14767, (716) 782-2468*

**PlotPrint**  
Transforms vector-oriented pen-plot data files created by CAD/scientific/spreadsheet programs into high-resolution bitmaps that allow any graphics printer to be used instead of an expensive pen plotter. Features include full HPGL interpreter that translates all HPGL commands. Compatible with all printers; works in all resolutions; any size printout; handles any drive configuration; Intuition; 50-page manual; interactive or batch modes. Prints B size drawings (11 x 17) directly with wide printer or in two panels with narrow printer. \$50.00  
*Hi Tech Graphics, P. O. Box 446, Tallmadge, OH 44278, (216) 633-7966*

**PlotPrint Version 2**  
68020/68881 version of PlotPrint \$100.00  
*Hi Tech Graphics, P. O. Box 446, Tallmadge, OH 44278, (216) 633-7966*



## STL File Conversion

This service converts Amiga- or Macintosh-generated surface modeling files to the .STL file format needed to make plastic parts by stereolithography or selective laser sintering (SLS). Any modeling software that can generate a scene or object file that can be input to the Amiga version of Sculpt 4D can be your tool. Your data file is converted to the format and media for the stereolithography or SLS vendor. Price to translate files on 3.5-inch diskette is \$75. Parts can also be made. Call for details. \$75.00

DFW Prototypes, 1920 Briarcrest Lane, Arlington, TX 76012, (817) 275-2044

## The ACAD Translator 2.0

The ACAD Translator provides the Amiga user with a much-needed link with the professional CAD market. Translate sophisticated DXF files to Sculpt-Animate or TurboSilver format to produce stunning color image renderings and animations. Also use Amiga translation programs to convert this data into formats for use in Videoscape, or other 3-D rendering programs. The ACAD Translator is fully multitasking and is executable from Workbench or CLI and will convert all AutoCAD Rev. 10 and Rev. 9 and compatible files including all 3-D options. Supports PAL. \$179.95

Access Technologies, Inc., P.O. Box 202197, Austin, TX 78720, (512) 343-9564

## X-PLANNER

Add-on menu, commands, and library to X-SHELL/XCAD. X-PLANNER has all the drawing tools on one menu to draw architectural floor plans and reflected ceiling plans. This menu places entities on pre-assigned layers and includes symbols for standard bath, kitchen, and ceiling fixtures. Also included is a libraries of standard door sizes and shapes (single leaf, reverse swing, bifold and double leaf). X-PLANNER draws walls in standard widths according to actual material sizes. A detailed 30-page manual with examples comes with the disk. Reduced from \$49.00 \$39.00

GrafX Computing, 6680 Wiltsie Road, Panama, NY 14767, (716) 782-2468

## X-PORTER 3.1

X-PORTER translates AutoCAD Revision 10 DXF files to AegisDraw format for use by DrawPRO, Aegis Draw, Taurus XCAD and PageStream programs. X-PORTER also converts XCAD verification format to DXF (for Taurus XCAD customers). The disk includes other translational utilities as well and comes with a 12-page manual. Reduced from \$69.00 \$59.00

GrafX Computing, 6680 Wiltsie Road, Panama, NY 14767, (716) 782-2468

## X-SHELL 3.0

This is a completely new and improved version. It shuts off the annoying XCAD text interface and uses the overscan area of the screen to tuck, trim, and compact menus that release the full potential of XCAD Pro. Includes eight main menus that use mouse activated buttons to control everything from symbol attributes and bitmap fill patterns to text character spacing and ellipse orientation. X-Shell has a 100-page manual useful for both beginners and experienced power users. X-Shell provides standardized base drawings with pre-defined viewports to speed setup time and menus organized into discrete areas of drawing activity to increase productivity and reduce menu pawing. Usable without a flicker-fixer. Reduced from \$199.00 \$119.00

GrafX Computing, 6680 Wiltsie Road, Panama, NY 14767, (716) 782-2468

## \*\*\* GEOGRAPHICAL \*\*\* EXPLORATION

### ◆ MakePath 1.0

A motion-editing tool for use with all Vista or VistaPro landscapes, including those created with TerraForm. It will allow you to create complex animation sequences with a few simple mouse clicks. Sessions can be saved and restored for later editing and refinement. MakePath uses a 3-D spline based system for path creation and editing which allows the program to have intelligence. The user has full control over the motion of the model. The program can incorporate user definable controls such as acceleration rates, control over bank, and

pitch. It provides an interactivity with the user that is unattainable with key frame systems, providing almost real time editing capabilities. Simple point and click interface. Order direct from VRLI. \$39.95

Virtual Reality Laboratories, Inc., 2341 Ganador

Court, San Luis Obispo, CA 93401, (805) 545-8515

### Scan-Ahead Navigator

Scan-Ahead Navigator is a breakthrough in navigation technology! Avoidance routines enable your Amiga to detect hazards on color-contoured electronic charts, then order evasive action. Marine-specific LAN hardware unit connects your computer with Ioran or other devices for accurate geographic positioning. Digitized NOAA charts are loaded with information on depths, obstructions, buoys and more. You add favorite fishing holes as you safely cruise to distant shores. Demo disk, \$5.00. Requires 1MB RAM, two floppies or floppy and H.D. \$750.00

Phoenix Engineering Systems, 4240 Lakeshore Rd., Deckerville, MI 48427, (313) 376-4843

### ◆ TerraForm 1.0

TerraForm is the Vista and VistaPro Digital Elevation Model (DEM) terrain editor. With it you can modify an existing landscape or create your own. Add dams to rivers, roads climbing up mountains, put your own face on Mars. Create new and original landscapes using tools to build mountains, make craters, flatten or roughen areas, and paint elevations. Can be used to modify any non-extended Vista or VistaPro. Paint by elevation on the topographic representation map, or in the 3-D as they are being made on the topographic map. Order direct from VRLI. \$39.95

Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

### VistaPro

VistaPro creates beautiful painting-like landscape views and animations of Earth and Mars scenery, using Gouraud shading, hi-res, interlace and overscan. Saves and displays in 24-bit, hi-res, interlace, overscan or HAM. Saves images as IFF, IFF24, Turbo Silver objects (compatible with Imagine), and in 24-bit RGB for frame buffer output. Script support for animation modes: IFF, IFF24, RGB, and VistaPro's proprietary VANIM. Animation player for VANIM files from hard disk included. Scripting preview function shows path your animation follows through landscapes. Unlimited lighting positions. Compatible with Toaster, DCTV, Ham-E Board, Firecracker, Mimetics Frame Buffer. New landscapes included. Inexpensive upgrade. Requires 3MB on NTSC, 3.3MB for PAL. See Animation category for Scapes. \$149.95

Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## \*\*\* GRAPHICS \*\*\* DISPLAY CARD

### ◆ A2410 High Resolution Color Graphics Card

A high-resolution graphics card for the Amiga 3000UX. It provides eight color bit planes and supports 256 colors on a screen from a palette of over 16 million colors. The A2410 card provides color graphics up to 1024 x 1024 pixels. It is compatible with the Commodore 1950 multi-synch monitors. The A2410 card includes 1MB of video memory on the board and provides high performance support for X Windows and Open Look applications. Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### ◆ A3000-IV24

The Professional Video Adapter provides a complete video solution for the professional Amiga user. The PVA is a single card that fits in the A3000 Zorro/Video slot or an A2000 Zorro slot with an optional cable adapter kit connecting it to the A2000 Genlock slot. It provides true 24-bit RGB graphics at both video (NTSC or PAL) and VGA scan rates. PVA comes bundled with custom version Macro Paint, Caligari, and Scala which allow you to control the board's scan rate, color mode, genlock mode, and digitizer. \$2000.00

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

Please see display ad page A.

## Black Box Broadcast Quality Graphics System

Ultra high-speed 16.7 million color graphics system with alpha channel. Built in intelligence for handling of 3-D concepts, extrusion, etc. Handles blistering line drawing in hardware at 5 billion pixels per second. Real-time 24-bit 3-D rendering, etc. Supports PAL, NTSC, and SECAM. Requires: Amiga 500 thru 2500, Multisync monitor \$6300.00

DJW Microsystems, 50 Belle Vue Road, Shrewsbury, Shropshire, England SY3 7LR, (011) 4474-324-4752

### ◆ DMI Resolver B Graphics Co-Processor

Allows for up to 1024 x 768 (double buffered) and 1280 x 1024 (single buffered) resolution on your Amiga 2000 and 3000 series computer. More than quadrupling the number of pixels an Amiga can display and vastly improves on standard Amiga picture quality. The Resolver utilizes the 60 MHz Texas Instruments TMS34010 16-bit processor chip which dramatically increases the speed of your application and displays 256 colors from a palette of over 16 million. Standard configuration includes 3MB of Video RAM and 2MB of DRAM. The Video RAM is expandable allowing for the C configuration of the Resolver. With the double buffering option enabled the Resolver has a screen refresh rate of over 60 frames a second, an absolutely amazing number if your applications include real time animation. DRAM is expandable to 8MB and the 1MB of dedicated overlay memory allows for instantaneous menu pull down. The Resolver is compatible with AmigaDOS 1.3 and 2.0 and the UNIX operating System 5 Release 4. The fully programmable display provides for both NTSC and PAL modes. Price is for standard configuration. \$1749.00

Digital Micronics, Inc., 5674-P El Camino Real, Carlsbad, CA 92008-7130, (619) 931-8554

Please see display ad inside front cover.

### ◆ DMI Resolver C Graphics Co-Processor

Brings 1280 x 1024 (double buffered) to your Amiga 2000 and 3000 series computer. More than quadrupling the number of pixels an Amiga can display and vastly improves on standard Amiga picture quality. The Resolver utilizes the 60 MHz Texas Instruments TMS34010 16-bit processor chip which dramatically increases the speed of your application and displays 256 colors from a palette of over 16 million. Standard configuration includes 5MB of Video RAM and 2MB of DRAM. With the buffering option enabled the Resolver has a screen refresh rate of over 60 frames a second, an absolutely amazing number if your applications include real time animation. DRAM is expandable to 8MB and the 1MB of dedicated overlay memory allows for instantaneous menu pull down. The Resolver is compatible with AmigaDOS 1.3 and 2.0 and the UNIX operating System 5 Release 4. The fully programmable display provides for both NTSC and PAL modes. Price is for standard configuration. \$2195.00

Digital Micronics, Inc., 5674-P El Camino Real, Carlsbad, CA 92008-7130, (619) 931-8554

Please see display ad inside front cover.

### ◆ DMI Resolver Graphics Co-Processor

Allows up to 1024 x 768 resolution on your Amiga 2000 and 3000 series computer. Provides more than three times the number of pixels an Amiga can display and vastly improves on standard Amiga picture quality. The Resolver utilizes the 60 MHz Texas Instruments TMS34010 16-bit processor chip which dramatically increases the speed of your application and displays 256 colors from a palette of over 16 million. Standard configuration includes 2MB of Video RAM and 2MB of DRAM. The Video RAM is expandable allowing for either the B or C configurations of the Resolver. DRAM is expandable to 8MB and the 1MB of dedicated overlay memory allow for instantaneous menu pull down. The Resolver is compatible with AmigaDOS 1.3 and 2.0 and the UNIX operating System 5 Release 4. The fully programmable display provides for both NTSC and PAL modes. The price is for standard configuration. \$1295.00

Digital Micronics, Inc., 5674-P El Camino Real, Carlsbad, CA 92008-7130, (619) 931-8554

Please see display ad inside front cover.

### FIRECRACKER 24

The FIRECRACKER 24 takes up the normal Zorro slots in the A2000 or A3000; it does not take up the video slot. Certain types of genlocks that work in the video slot of the Amiga may conflict with the use of the FIRECRACKER 24. Please consult your dealer or Impulse if you have any questions regard-

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# Graphic Arts

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ing internal genlocks. Due to the cost of buying all the different genlocks on the market today, Impulse can not guarantee operation with any genlock. Impulse has tested the FIRECRACKER 24 with various models; for further information regarding genlock use please call Impulse and ask for tech support. FIRECRACKER 24 1MB \$1000.00/ 2MB \$1500.00.

Impulse, Inc., 6870 Shingle Creek Parkway #112, Minneapolis, MN 55430, (612) 566-0221

## ♦ ♦ ♦ PAINT ♦ ♦ ♦

### Aegis Express Paint 3.0

Full-function paint program. Virtual pages, unlimited undo's, and 3-D perspective; rotating, distorting, stretching, and mirroring. Excels in text handling and printing; is the only paint program that provides text fill into and around irregular shaped objects. Control font styles, sizes, justification, margins, and line spacing to and from text. Supports PostScript, colored banners, and poster-sized output. Color cycling, 3-D anti-aliasing tools, gradient fills, and more. Aegis Express Clip Art #1 is available for use with Express Paint for \$29.95. \$139.95

Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227

### ● Aegis SpectraColor

Brush ANIMs finally come to HAM! Now, use all of the animation capabilities offered by SpectraColor to produce stunning 4096 color movies. Wrap images around spheres, cubes, even on a contour to provide remarkable graphic effects. Designed by the authors of PhotonPaint, SpectraColor is destined to become the new Amiga HAM standard! Workbench 2.0 compatible. \$99.95

Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227

### ◆ Aegis SpectraColor for HAM-E

This powerful HAM paint program now supports Black Belt Systems' HAM-E graphics expansion system. All the features of SpectraColor, including key frame animation with free-hand or straight-line paths; brush wraps; luminosity, density, and light-source direction controls, icon-based point-and-click interface, the easy-to-use color Manager for selecting among the 262,144 colors of the HAM-E system and numerous paint and animation tools, are now available for HAM-E users. Requires 2MB. \$99.00

Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227

### Aegis Spritz

Entry-level paint program that boots up in less than five seconds. Features include multiple active brushes, load an entire cut drawer at once, unlimited undos, works in all resolutions, grab any screen from within the program, supports Smart-Link interprogram communications system, and works with Express Paint and Icon Magic. Supports up to 64 colors and page size only limited by chip RAM. Comes with entire award-making kit to be used with the program's unique Power Borders feature, which lets you make any cut or brush into a dazzling border or frame automatically. Borders can be larger than the screen. \$79.95

Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227

### ChromaPaint

Supports half-bright modes NTSC, PAL and any number of fonts. Use as many screens as memory allows. Features include zoom, brush, color cycling, printing, clip board, and animation generation features. \$49.95

Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501

### DCTV

DCTV is a revolutionary new video display and digitizing system. DCTV creates a full color NTSC display with all the color and resolution of television. Captures a video frame in 10 seconds from any color video camera. Displays and captures full color 24-bit high resolution images. DCTV Paint (included) is the most powerful paint package to ever grace the Amiga. Convert DCTV images to or from any IFF display format (including HAM and 24-bit). Works with all popular 3-D programs. Animate in full NTSC color. \$495.00

Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825

### DeluxePaint III with Animation

First in a new class of software that integrates paint with animation. Program actually paints animation by allowing users to AniPaint™ a series of screens the way they would paint a single screen. Also allows user to paint and create with multi-frame Animated Brushes to create animations like birds in flight. Integrates animation with its perspective capability in a feature called Move, which allows user to define a brush, the distance for it to travel, a rotation, and the number of frames for it to move across. Other features include extra-halfbrite support, wrap mode, tint mode, direct overscan, and much more. \$99.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

### Diamond

Paint program supports all color modes. All modes support picture sizes up to 1024 x 1024 pixels, including overscan in all modes. Supports IFF brush and picture formats as well as RGBN support for Silver. Includes full complement of brushes and effects. \$79.95

Impulse, Inc., 6870 Shingle Creek Parkway #112, Minneapolis, MN 55430, (612) 566-0221

### Digi-Paint

Fully utilizes the Amiga's graphic capabilities. Special features include shading, tinting, blending, and complete drawing tools. Closest thing to paint and brush on the market. \$59.95

NewTek, 215 E. 8th St., Topeka, KS 66603, (913) 354-1146

### Digi-Paint 3

So much more powerful than Digi-Paint, we skipped a number. New features include full Amiga font support with anti-aliasing of text, an extended set of drawing tools with resizeable built-in brushes, and user-controllable 3-D texture mapping. New display features include support for autoscrolling bitmaps up to 1024 by 1000 pixels, user-definable overscan, and changing screen resolutions on the fly. Digi-Paint 3 has been written in 100% Assembly code for the fastest time of any HAM paint program and also features a complete set of keyboard shortcuts for experienced users. Digi-Paint 3 now includes image-processing software available only to Digi-View owners, including the ability to transfer images between resolution modes and display up to 768 x 480, using NewTek's exclusive dithering algorithms for the highest color and picture resolution. \$99.95

NewTek, 215 E. 8th St., Topeka, KS 66603, (913) 354-1146

### HAM-E Workshop

The first and best paint program for the HAM-E. Paints in HAM-E register mode, providing 256 colors out of 16.8 million. Powerful features include a 10-brush library, anti-aliasing, true polygons (3-22 sides), rays, four point curves, brush masking, color replacing, rub thru, pattern draw, and automatic shadows. Supports page animation and a new technique. Cell animation provides movepaths, unlimited frames, and time synchronization. Page animation synchronizes and times 10-brushes with rotation, movement, acceleration, and fading. Imports and converts standard Amiga pictures and animations. Other features include gradient fill, wrapping, 3-D perspective and more. \$60.00

Holosoftware Technologies, 1637 East Valley Parkway, Ste. 172, Escondido, CA 92027, (619) 747-0663

### ● Macro Paint

Macro Paint is the first 4096 color hi-resolution paint program for any Amiga. Macro Paint loads and modifies dynamic hi-res pictures as well as 24-bit pictures. Macro Paint is ARExx compatible and can give or receive an ARExx command. Macro Paint requires 1MB of RAM, but for full-featured use we recommend 3MB of RAM. Macro Paint is a multi-tasking program and is 2.0 compatible. \$139.95

Lake Forest Logic, Inc., 28101 Ballard Road, Unit E, Lake Forest, IL 60045, (708) 816-6666

### Mega Paint

A 24-bit paint program. Features multi-directional gradient fills with variable dithering, 16.7 million levels of transparency, blending, smoothing, and colorizing. These modes along with an array of drawing tools make creating in 16.7 million color easy. It has the ability to import and export several file formats. With direct control of the Mimetics

FrameBuffer, from Mega Paint, you can capture images from video, edit, and re-display them in broadcast quality NTSC.

PSEUDO VISION Computer Graphics, 9319 E. Main, Spokane, WA 99206, (509) 926-6623

### Photon Paint 2.0

New features include multiple swap pages that can be run by special animation function, alternative drawing sources: rub through, Pantograph, and brush-patterns; ColorFont support; Cycle Draw. New drawing modes include: And, Or, Xor, Add, Subtract, Maximum, Minimum, Use H, and Use H&S. New tools include air brush with definable spray area, fill polygon tool, and polygonal brush cutter. \$49.95

Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345

### ◆ Pix Lib

Pix Lib is a picture conversion and storage program with a library of 995 beautifully drawn pictures—each picture is in 32 colors and is 213 x 145 pixels in size—covering nearly half the screen. It allows you to view and then save any picture in IFF format for immediate use in DeluxePaint I-III, Digi-Paint, and most other popular paint programs. Pix Lib can run simultaneously with DeluxePaint (requires 1MB) so that you can load any picture right away for drawing virtually any imaginable scene or backdrop. \$19.95

Brain Technologies Co., P.O. Box 215147, Sacramento, CA 95821, (800) 272-4601

## ♦ ♦ ♦ PAINT CLIP ART ♦ ♦ ♦

### Artistic Expressions

Quality, affordable clip art. Volume 1 includes holidays, cowboys, business, and old English monograms. Volume 2 includes home, teddies, music, flowers, and elegant monograms. Over 150 borders and graphics on each disk, gray scale shading, all in high resolution and example files on each disk. \$49.95

PCM Industries, 2100 North Highway 360, Ste. 2101, Grand Prairie, TX 75050-1015, (214) 660-4780

### ◆ Birds In Nature (MGLD.501)

Four disks containing 30 HAM 352 x 480 images of birds and wildfowl. Species include cardinal, bluejay, purple finch, evening grosbeak, wren, woodpecker, gull, mallard, baldpate, hawk, sparrow, blackduck and more. This is the first set in the multimedia graphics library disk series designed for commercial art, business presentation graphics and multimedia work. All images were converted from 24-bit files from original photographic slides. \$49.95

Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295

### Build'Em™

Figure construction set of faces, arms, legs, hands, to help artists and non-artists draw realistic figures better and faster. Over 500 drawings on 25 screens done by professional figure artist. Requires paint program with invisible background and free cut rotation. \$23.50

Picture Box, The, 8824 David Ave., St. John, MO 63114, (314) 427-1869

### Deluxe Maps Vol. I

Create better reports and presentations with these IFF format U.S. regional and state map outlines. \$24.95

Computer Arts, P. O. Box 529, Opp, AL 36467, (205) 493-6312

### Floor Plan Library

A set of floor plan parts and bath, kitchen, room modules saved as IFF screens for use with paint, desktop publishing, and presentation programs. \$59.95

Madrigal Residential Designs, P. O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675

### Flowers

These sets are composed of digitized flowers and flower object paintings, and all are formatted to be importable with any program that can utilize VideoRes HAM brushes. The colors are blazing, and the clarity is sharp. FLOWERS #1, two disks priced at \$24.95: About two-thirds of these brushes are original digitized still-video camera objects, while the remainder are carefully designed HAM art brushes.



Use them in any environment where flower art is desired. FLOWERS #2, four disks priced at \$34.95: These flower brushes in Video-Res HAM cannot be surpassed anywhere on any system. They wrap around shapes in astounding clarity and brilliance, and offer thousands of possibilities for complementing Amiga visual artwork. They are all original digitizations of real-world natural forms, and are not merely flat surfaces digitized from magazines.

*EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## Interior Design

A set of furniture parts for use with paint, desktop publishing, and presentation programs. Sixteen screens of furniture images and over 100 brushes. Useful for interior design and concept development. For use with paint and desktop publishing programs. \$59.95

*Madrigal Residential Designs, P. O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675*

## Madrigal Automobile Construction Set, General Collection

Interactive clip art design system for use with paint programs, contains four disks of scaled IFF screens of automobiles from the U.S., Europe, and Asia. This collection contains sedans, sports cars, coupes, wagons, hatch backs, pickup trucks, long haul trucks, and vans. All are shown in sideview and cross-section displaying engines, transmissions, seats, driver passenger arrangements, and tires. Many of the screens contain front and rear views. The system is designed to give the user the power and flexibility to easily examine design options and manipulate ready-made automotive design components on screen, modifying existing automobile designs, or creating new ones. Also provided on disk is a general history of automobile design and individual specification sheets. \$49.95

*Madrigal Residential Designs, P. O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675*

## Madrigal Automobile Construction Set, Sports Cars

Interactive clip art design system for use with paint programs. This collection is compatible with other Madrigal Automobile Construction Sets. It contains IFF screen of sports cars from the U.S., Europe, and Asia, made by Chevy, Honda, Jaguar, Lamborghini, Lotus, Mazda, Mercedes, Nissan, Porsche, and Triumph. All are shown in sideview and cross-section displaying engines, transmissions, seats, driver passenger arrangements, and tires. Many of the screens contain front and rear views. The system is designed to give the user the power and flexibility to easily examine design options and manipulate ready-made automotive design components on screen, modifying existing automobile designs, or creating new ones. Also provided on disk is a general history of sports car design and individual specification sheets. \$39.95

*Madrigal Residential Designs, P. O. Box 2292, Santa Rosa, CA 95405, (707) 539-5675*

## Media Line Clipart Disk I

A broad selection of high quality clip art. Able to import IFF graphics. Holidays, Sports, Computers, and Scenery are among the various themes included. Also includes a show utility. Can be used in all paint programs for resizing and modification. \$34.95

*Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609*

## OLD TIME CARS

This disk is full of IFF-HAM pictures of U.S. collector cars from 1915 to 1964 and comes with an automatic player. DIGITAL ARTS/257 \$20.00

*Hilson Digital USA, for, DigitalPub/257 & Digital Arts/257, 900 Mansell Road, #12, Roswell, GA 30076, (404) 998-7776*

## Old Time Cars 1915 to 1964

### Collectors Collection

This disk is full of IFF-HAM pictures in 4,096 colors of U.S. collector cars including the Maxwell, Packard, and Mustang. Like all of our disks, it comes with an automatic player program for easy viewing. All pictures can be loaded into your HAM paint program for hours of creative fun; or you can use them with your laser, color, or DMP printer. \$20.00

*Hilson Digital USA, for, DigitalPub/257 & Digital Arts/257, 900 Mansell Road, #12, Roswell, GA 30076, (404) 998-7776*

## Oriental Desk Top Art Vol.1-Vol.4

Oriental Desk Top Art are clip art files which can be used in desktop publishing applications on the Amiga Computer. The clip art files are black and white, high resolution (640 x 400) images, in IFF format. Oriental Desk Top consists of four volumes. Vol. 1 consists of 60 general oriental art work. Vol. 2 consists of 84 oriental martial art figures. Vol. 3 consists of 84 oriental folk art work. Vol. 4 consists of 140 commonly used Chinese characters. \$29.95 per volume.

*Software Integration Solutions, 11027 Twin Pond Terrace, San Diego, CA 92128, (619) 748-3350*

## PIC-MAGIC

A 10-disk set of over 250 images. Manual explains suggested use of images as well as the psychology behind many of them. Some images draw the eye to a particular spot on a page while others convey a certain mood. Images can be resized using DPaint III or a comparable program. PIC-MAGIC is an unlimited resource library for computer enthusiasts, desktop publishers, and animators. IFF format, most over 1000 by 1000 pixels. The full set now includes a bonus two disks for a total of 12, which include the entire 250+ images sized down for easier video use. Also available in Encapsulated PostScript format for Desktop Publishing. \$99.95

*Joe's First Company, 208 Glenayr Road, Toronto, Ontario, Canada M5P 3C3, (800) 387-8967*

## PROPS

The PROPS disks were created to help the registered owners of Brett Casebolt's Scene Generator software in the construction of complete natural graphic scenarios. In addition, many users have found that these disks of images can also help in a host of design projects for both DTP and videographic use. PROPS #1, two disks for \$24.95: Animals, Trees, and Structures in Video-Res HAM. PROPS #2, two disks for \$24.95: Animals, Habitats, and Vehicles in Video-Res HAM. PROPS #3: 'DIGITOWN', three disks of New England rural houses photographed with a digital-still camera, and sold for \$34.95: These images make it possible for the Amiga user to design many rural settings for DTP and video use, as well as for fun. PROPS #4: 'FULL-O-BIRDS', three disks of beautiful full color HAM birds, priced at \$34.95 for the set: These images were scanned from non-copyrighted sources at 200 dpi, and then resized to fit the Amiga screen. The clarity is truly unbelievable, and is a must for DTP and Video Amiga visual experimenters and professionals.

*EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## Pro Fills

Professional-quality, full-color patterns and textures for use in desktop presentations, and video. Create complex backgrounds and surfaces instantly, adding a new dimension to your video titling and presentations. Pro Fills patterns and textures are IFF brush format and compatible with all IFF paint and titling programs that allow custom brushes in fill tools or tiling functions. High resolution and interlace resolution versions of the patterns are included. Also includes a large assortment of color palettes complete with color ranges defined for dropped shadows and highlights. The patterns and textures may be combined to make thousands of variations and are compatible with multicolor fonts. \$29.95

*JEK Graphics, 12103 S Brookhurst Ste. E-125, Garden Grove, CA 92642-3065, (714) 530-7603*

## Secrets of an Artist

Secrets of an Artist is the work of a professional computer artist, C. William Henderson of Los Gatos, CA. On this disk he reveals many formulas and underlying concepts through 22 examples and 10 pages of text. Requires Math Vision to run. \$49.00

*Seven Seas Software, P. O. Box 1451, Port Townsend, WA 98368, (206) 385-1956*

## StoryBook Capitals 3.0

Thirty decorative bitmap alphabets especially designed to liven up your desktop and WYSIWYG applications, newsletters, correspondence, posters, signs, and school worksheets. Large decorative capitals and calligraphy fonts ranging from 50 to 180 lines high, displayable in any resolution. They are easily inserted as brushes into paint, desktop and WYSIWYG programs. 512K RAM. \$44.95

*CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

## The Amiga Coloring Book: Borders

Over 50 borders in IFF format. These can be used with your own materials. \$34.95

*Dragon Group, The, 148 Poca Fork Rd., Elkview, WV 25071, (304) 965-5517*

## The Amiga Coloring Book: Sampler

Assorted clip art in IFF format. Contains objects ranging from architectural tools to rockets, from birds to locomotives. \$34.95

*Dragon Group, The, 148 Poca Fork Rd., Elkview, WV 25071, (304) 965-5517*

## The Amiga Coloring Book: World

Maps from around the world in IFF format. Can be used for teaching geography, since maps are outlined, and can be printed without names. A section of the U.S. can also be used for letterhead designs. \$34.95

*Dragon Group, The, 148 Poca Fork Rd., Elkview, WV 25071, (304) 965-5517*

## The Fighter Planes of WW II

Two-disk set full of IFF-HAM interlaced pictures in 4,096 colors of U.S., German, British, Russian, Japanese, and Italian fighter planes that were engaged in combat during World War II, including the British 'Spitfire', Japan's 'Zero', and the U.S. built P-40 used by the 'Flying Tigers'. The easy-to-read text files on these disks give you all of the technical data on each plane. You'll be able to use these pictures in your HAM paint programs and print them out on your color or DMP printer. \$35.00

*Hilson Digital USA, for, DigitalPub/257 & Digital Arts/257, 900 Mansell Road, #12, Roswell, GA 30076, (404) 998-7776*

## War With Iraq, The Fighter Planes

Three-disk set full of IFF-HAM interlaced pictures in 4,096 colors of U.S., Russian, Israeli, British, and French combat planes that are currently facing off in the Middle East. Here's where you'll find the Russian 'Fox-Bat', along with the U.S. F-16, F/A-18, and F-117 'Stealth'. Some of the hottest high-tech hardware in the world today! You'll be able to use these pictures in your paint and desktop publishing programs because they have been converted into all graphic resolutions. Print them out on your laser, color, or DMP. \$35.00

*Hilson Digital USA, for, DigitalPub/257 & Digital Arts/257, 900 Mansell Road, #12, Roswell, GA 30076, (404) 998-7776*

## ♦ ♦ ♦ PAINT FONTS ♦ ♦ ♦

### AlohaFonts Volume 1

Twenty fonts for use with graphics & desktop publishing. \$19.95

*AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633*

### AlohaFonts Volume 2

Forty-three fonts from 16 to 84 points for use with graphic, desktop publishing, and video production work. \$19.95

*AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633*

### AlohaFonts Volume 3

Forty-one fonts from 16 to 99 points for use with graphic, desktop publishing, and video production work. \$19.95

*AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633*

### CalligraFonts/Asha's

A limited edition of new unique fonts. Original art, each disk signed by artist Asha Develder! Sixteen colors with complementary monochrome fonts for illuminated prints, large initial caps, and exclusive design! Includes KidsBlox Colorfonts in 125 point and 80 point sizes. StainedGlass Colorfonts in sizes 101, 96, and 91 points. 1MB required for use of the large color fonts. \$89.95

*Interactive Softworks, 2521 S. Vista Way, Ste. 254, Carlsbad, CA 92008, (619) 434-5327*

### CalligraFonts/Lion's

Assorted 150 Amiga bit-mapped fonts in a four-disk set for desktop publishing, and video presentations. Includes 120 B&W fonts in sizes from seven to huge 160 points. There are 30 color fonts in sizes for video titling, posters, and DTP from 20 to 75 points. Recommended by John Foust. \$89.95

*Interactive Softworks, 2521 S. Vista Way, Ste. 254, Carlsbad, CA 92008, (619) 434-5327*

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### CalligraFonts/Novelty

Quickly create a novel look for your next project with this two-disk set of fonts in convenient sizes. Colorfonts include ICE, PENCIL, SKYLINE, SWISSCHEESE, JADE, and STARS & STRIPES. This two-disk set contains 14 Amiga diskfonts (sizes 32 to 84 points), plus 16 ColorFonts (sizes 43 to 84 points). \$69.95  
Interactive Softworks, 2521 S. Vista Way, Ste. 254, Carlsbad, CA 92008, (619) 434-5327

### Calligrapher 1.05

Font editor includes ColorFonts and FontMover. Edit size, position, shape, color, pattern, style, kerning and spacing, italic slant, and more. Graphics editor includes brushes, free-hand drawing, paint can, magnify, and more. FontMover copies, deletes, or previews fonts from another disk. Disk checking, font viewing in any resolution, and more. Upgrades to version 1.05 are \$29.95. \$129.95  
Interactive Softworks, 2521 S. Vista Way, Ste. 254, Carlsbad, CA 92008, (619) 434-5327

### ◆ Floral Animated Fonts

Say it with flowers! Floral animated fonts let any message appear magically inside blooming flowers. Perfect for wedding videos, commercials, and title screens—anywhere you need an attention-getting headline. NTSC/PAL compatible. \$39.95  
Experi Services, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690

### KARA FONTS-AnimFonts® 1

ChromeScript is an eight-color, formal script in caps and lower case, and comes in both a Keyboarded and an AnimFont. Each letter appears to be handwritten across the screen. Additional palettes included along with utility programs to use ColorFonts. One disk. \$49.95  
Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177

### KARA FONTS-AnimFonts® 2

Bullion is a dimensional, beveled, highlighted, uppercase, gothic eight-color font, and comes in both a Keyboarded and AnimFont. The AnimFont rotates onto the screen 90 degrees on the Y axis to the left while a glint of light travels across the face. Also includes additional palettes and utility programs to use ColorFonts. One disk. \$49.95  
Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177

### KARA FONTS-AnimFonts® 3

Capsule is a hi-res eight color metallic, rounded gothic, uppercase contemporary font 'which sparkles on' from the middle revealing characters to the top and bottom. Then, a sparkles goes across each letter from the left to the right. A separate sparkle for custom effects is included. comes in both keyboard and ANIMfont format with palettes of chrome, gold, metallic, and silver. One disk. \$49.95  
Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177

### KARA FONTS-HEADLINES

Three-disk set. Featuring 10 hi-res, dimensional, up to eight color, uppercase fonts in two sizes each (approx. 104 and 84 pts. high). Fontstyles in Chrome, Marble, Brick, and Granite are dragable for added 3-D effects. Other styles are Chisel, Wood, Bevel, Cast, Chiselerif, and Column. \$79.95  
Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177

### KARA FONTS-HEADLINES 2

Two disk set offers four, new, eight-color fonts in two-three sizes each. ChiselScript: Italic script in upper and lower case. Glass: Transparent uppercase gothic face. Engraved: Dragable, uppercase two-planes hiney font. Embossed: Raised or sunken letters on a surface. \$69.95  
Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177

### KARA FONTS-SUBHEADS

Two-disk set. A scaled-down version of Headlines, offers same unique ColorFonts in two smaller sizes (approx. 72 and 55 points.) New sizes allow a greater range of flexibility in titling without having to reduce and makes it possible to use in lower resolutions at a workable size. \$69.95  
Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177

### Master Fonts

A collection of fonts in standard Amiga format designed to be used with all graphics, video, word processing, and desktop publishing. \$29.95  
T.S.R. Hutchinson, 110 W. Arrowdale, Houston, TX 77037, (713) 448-6143

### Media Line Font Disk I

Contains nine different bitmap fonts for the Amiga. Designed for professional use in video presentation, graphics, animation, and desktop publishing. \$34.95  
Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609

### Professional Font Upgrade

Adds microkerning, dithered fonts, large lower case letters to multicolor fonts, a Preview utility, and simpler directory format to versions 3.5 and lower of the Professional Font Library. Includes five diskettes and an expanded manual. Compatible with popular paint and video programs. Requires registration card on file and 1MB. \$24.95  
CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342

### Studio Fonts, Vol. I

Designed by professional commercial artist Marlin Green, these fonts are ideal for comps and quick presentations. Use in high resolution for demanding video titling and desktop. Includes 17 pre-colored pre-patterned ColorFonts plus 12 monochrome fonts, IFF brushes, and Calligrapher patterns. \$46.25  
Interactive Softworks, 2521 S. Vista Way, Ste. 254, Carlsbad, CA 92008, (619) 434-5327

### ◆ Video Clipse v1

Amiga graphic enhancements for the video professional. This seven-disk set has 20 big super-clean fonts, each from 100 to 160 points tall. Resize without losing clarity. Both regular Amiga and Video Toaster formats are conveniently included. Video Clipse also includes three clip-art font sets: Special Occasion Clips, Commercial Clips, and Multi-Use symbols (borders, caption balloons, etc). Also includes hi-res, overscanned, IFF backgrounds and Anim-Brushes. Fully compatible with NTSC or PAL systems, and available for foreign customers. Any Amiga model, and any paint presentation or multimedia program capable of displaying standard Amiga fonts and IFF images. \$99.95  
Graphically Speaking, 2574 PGA Blvd., Ste. 107, Palm Beach Gardens, FL 33410, (407) 626-3447

### ◆ Video Clipse v1.1—Spanish Version

Spanish version of Video Clipse Volume 1. This nine-disk set combines all of the graphic enhancements of Video Clipse Vol.1 (20 big Amiga and Toaster ready fonts; three Clip-Art Font Sets; Backgrounds and Anim-Brushes) with two additional disks containing Spanish characters for all 20 big fonts. All accented vowels, punctuation, cedilla, tilde and dieresis. A user guide in Spanish is also included. Fully compatible with NTSC or PAL systems, and available for foreign customers. Any model Amiga computer. Any paint, presentation, or multi-media program capable of displaying standard Amiga fonts and IFF images. \$129.95  
Graphically Speaking, 2574 PGA Blvd., Ste. 107, Palm Beach Gardens, FL 33410, (407) 626-3447

## ◆ ◆ ◆ PAINT TUTORIALS ◆ ◆ ◆

### VidZeen Volumes 1 and 2

Each VidZeen consists of a two-hour video tape and a two disk set. The two disks include backgrounds for titles and collages, digitized and hand-drawn brushes, ANIMs and ANIM brushes of people and animals, LED sign font, PalettePlay-a utility designed for manipulating colors in real time, and MBZ\_Crawl to move titles and brushes across the screen and over your background. The two-hour videotape includes information on how to use scaled palettes to create still and animated collages; how to add moving spotlights and realistic shadows to animations; remapping to combine images and create new effects; how to use anim fonts; anti-aliasing and resizing titles; reviews and demos of other DTV-related products; helpful DPaint tips. \$11.00 each or \$19.50 for both.  
MBZ, 6023 Kilgore Ave., Muncie, IN 47304, (317) 288-0009

### WJK.1-The Video Producers Learning Disk

Full instructions for beginning and intermediate Amiga-based video producers who wish to see, practice, and learn the most common videographics

techniques. Over 40 points are covered, including outlining, resizing, shadowing, thickening, slanting, Texture and Pattern Fills—which teach you how to create patterned backgrounds (you get three), and an introduction to Ordered Dithering. The disk also includes Color Bars, a Grey Scale, and an FBI warning. This disk is used with the DeluxePaint program disk (not supplied). Everything is in hi-res, and is applicable to industrial video production. \$8.00  
Kronemyer, WJ Associates, 280 East Glen Ave., Ridgewood, NJ 07450, (201) 445-1919

## ◆ ◆ ◆ PAINT UTILITIES ◆ ◆ ◆

### Focus Video

Focus Video provides a complete range of image processing capabilities. Features such as color control, filters, convolutions, contrast enhancement, and histograms which improve and enhance your images, bring out details, analyze, or transform. Focus Video is a tool for electronic publishing; Industrial quality control, astronomy, art, video effects production, and more. Its stand alone features include: edge extraction, spatial image filtering, median filtering, logical and arithmetic inter-image operations, intensity histograms, pseudo-3D display, fast zoom, linear contrast enhancement, time stamping and user-definable text annotating, and on-screen distance measurement with calibration. The Focus Video can also read 400 line IFF images (16 or 32 color). With a LIVE! Continuous Video Framegrabber installed in your Amiga, Focus Video gives you instant image acquisition from any NTSC video source, complete with sequence recording/animated replay, time-lapse capture, color and contrast adjustment, and integration and averaging of successive frames. Focus Video makes it easy and affordable to move beyond the rigidity of silver crystals on film into the flexible world of digital video. \$159.00  
A-Squared Distributions, Inc., 6114 LaSalle Ave., Oakland, CA 94611, (415) 339-0339

### Ham It Up!

Ham It Up!, Allows you to display and print all 4096 Amiga colors via sixteen 256-color charts. No HAM paint program is required. Requires 1 MB RAM. \$39.95  
Delta Graphics, 48 Dighton Street Ste. 2, Brighton, MA 02135, (617) 254-1506

### ImageFinder

ImageFinder is a great utility for finding graphic files by looking at miniatures (called thumbnails) of the images in full color or in gray scale. Disk volumes and/or directories are scanned for ILBM or ANIM files to create an index file. Thumbnails stored in index files can be browsed directly or after being sorted. The drawer and file name of a selected image can be automatically entered in the file requester of an application. 512K required. \$65.00  
Zardoz Software, 12036 Nevada City Highway, Ste. 192, Grass Valley, CA 95945, (916) 274-8311

### Imprint

Software interface which works with the Amiga and the Polaroid Palette Film Recorder to produce film output of any IFF image. Prints 320 x 200, 320 x 400, 640 x 200, and 640 x 400 images with HAM capability. Snapshot RAM resident utility creates instant film image of on-screen display. \$2,495.00 with Polaroid Palette system. \$495.00  
American Liquid Light, Inc., 2341 W. 205th St. Ste. 116, Torrance, CA 90501, (213) 618-0274

### PIXmate

Image Enhancement software system. Features space-age image-enhancement techniques developed for NASA. Performs over 3,000 special effects. \$69.95  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144  
Please see display ad page B.

### Pro Fills

Professional-quality, full-color patterns, and textures for use in desktop presentations and video. Create complex backgrounds and surfaces instantly, adding a new dimension to your video titling and presentations. Pro Fills patterns and textures are IFF brush format and compatible with all IFF paint and titling programs that allow custom brushes in fill tools or tiling functions. High resolution and interlace resolution versions of the patterns are included. Also includes a large assortment of color palettes complete with color ranges defined for



dropped shadows and highlights. The patterns and textures may be combined to make thousands of variations and are compatible with multicolor fonts. \$29.95  
JEK Graphics, 12103 S Brookhurst Ste. E-125, Garden Grove, CA 92642-3065, (714) 530-7603

## Scannery

Scannery is a software/hardware package that interfaces the HP ScanJet series of flatbed scanners. High quality images may be scanned in resolutions from 12 to 1500 dpi in black and white, four dither patterns, or in 16 or 256 greyscale. The images can be saved in a rich variety of formats for inclusion in any desktop publisher on most computers, or faxed out through the Aefax/modem. It features ease of use and installation. \$250.00  
Concise Logic, 36 Tamarack Ave., Ste. 315, Danbury, CT 06811, (203) 746-6739

## Scene Generator

Create realistic, natural looking scenery on your Amiga with Scene Generator. Easy to use menu interface gives you instant access to all of Scene Generator's powerful capabilities. Create everything from a desert to a snow covered mountain peak. Allows control of lighting, snow and water levels, optional clouds, and colors. A preview mode will display a scene in five seconds. Makes great backgrounds for painting or animation. \$49.95  
Natural Graphics, 4603 Slate Ct., Rocklin, CA 95677, (916) 624-1436

## THE COLOR KIT for Deluxe Paint

Legal color scales for film and video in hi-res; 132 colors in normal Interlace; 488 colors in halfbright Interlace = 720 colors—all at once on the screen and to be used. \$29.95  
Philadelphia Video Lab, Inc., 338 Winding Way, Merion, PA 19066, (215) 664-4955 sero

## Vista 1.2

Vista 1.2 is now released for 1 MB Amigas. New features are Gouraud shading (eliminates polygons), lo-res option (and original HAM mode), simulated trees. Vista generates beautiful, 3-D landscapes using real world USGS data; Turbo Silver compatible, Animation capability, Half-Dome and El Capitan in Yosemite National Park, Mt St. Helens (before and after eruption), Crater Lake. Caldera of Mons Olympus, highest mountain of Mars, can be explored from any angle or perspective. Also 16 billion imaginary fractal landscapes. 2.0 compatible, PAL version. Inexpensive upgrades. See VistaPro in Animation category. \$59.95  
Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515

## SCIENTIFIC BUSINESS/ENGINEERING

### APLOT2D

A complete general purpose scientific and analysis 2-D color data plotting package. Incorporates many features including separate data and plotting files, automatic and adjustable graph scaling, menus to modify plot size and plot parameters, linear regression analysis, interpolation (linear or cubic spline) and curve, symbols, and color options. Includes linear, log, polar capabilities, and many additional menu driven features. Version 1.2. Compatible with all Amiga machines, WB 1.2, WB 2.0, and NTSC/PAL formats. \$79.95  
AMIGA Tech, P.O. Box 201, Los Altos, CA 94023-0201, (415) 960-9399

### Aplot Library

Lattice C-compatible library of graphics functions for the applications programmer. Supports Scientific/Engineering/Business charts and graphs. Includes routines for linear/logarithmic/Pie/bar, and polar charts. From simple to complex. \$79.95  
Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431, (513) 427-5439

### Complex Hooks Disk

The Complex Hooks Disk adds complex and polar arithmetic to MathVision. Disk contains hooks and pictures generated using these hooks. Z=23 + sin(z) etc. Requires MathVision to run. \$49.00  
Seven Seas Software, P.O. Box 1451, Port Townsend, WA 98368, (206) 385-1956

## ConvertAplot

Printing/Plotting utility which compliments the Aplot library and Engineer's Toolbox applications. Additionally, it can be used stand alone for printing/plotting capabilities with Aegis Draw and Professional Page, Etc. Support HP-GL, Postscript, PCL, Etc. \$49.95  
Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431, (513) 427-5439

### DataPlot v 2.1

DataPlot graphs 2-D data and user specified algebraic functions, with up to 100 datasets per screen, at any resolution from 320 x 200 to 640 x 400. Screen plots can be printed to any Preferences supported graphics printer, or saved as an IFF file or as an editable macro. Many options are available including log axes, error bars, data point markers, direction of increasing X and Y values, and algebraic operation on the data, which may be in up to 50 columns. Requires 1MB RAM, 1 disk drive, AmigaDOS 1.3. NTSC only. AmigaDOS 2.0 compatible. \$21.00  
Bytes and Bullets, Route 3, Box 3532, Manchester, TN 37355, (615) 596-2077

### GenAplot

High-level plotting tools for creating scientific, engineering, and business charts and graphs from user data. Pull down menu/requester interface. Wide variety of file formats, 16 colors in high resolution, multiple output devices, and standard graph formats. \$99.95  
Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431, (513) 427-5439

### Image Review System-Tele-Digitizer, Tele-Radiology

The IRS line of TeleRadiology systems are custom, turn-key digitizing and image processing stations. They allow a hospital, clinic, or doctor to digitize medical films and send the patient images over telephone lines or through an ethernet cable to a receiving system. Comes complete with computer, monitor, digitizer and software. FDA-approved for marketing.  
National Diagnostic Imaging, P.O. Box 5501, Vienna, WV 26105, (304) 295-8922

## Mandelbrot Variations

Mandelbrot Variations contains 23 commented formulas for Doug's Math Aquarium, and 19 of them include pictures. Covers most of the profound ways of viewing the Mandelbrot set, including binary expansion technique, continuous potential methods, differential angles, differential radius techniques, and others. Requires MathVision to run. \$49.00  
Seven Seas Software, P.O. Box 1451, Port Townsend, WA 98368, (206) 385-1956

### Multiplot XLNe

Multiplot is a fully intuitive data plotting program which plots data points as (x, y) coordinates with or without error bars. It can plot an unlimited number of sets of any number of data points using color, line type, point shape and size to represent the different sets. A set may be joined by a line or plotted as discrete points. Data may be scatter plotted, or shown as a histogram or step graph. Additions to the data may be made in the form of lines of best fit and data smoothing utilizing modified open b-splines or averaging filtration. The input file for Multiplot is a simple text file. Fully supports the clipboard. Output may be in IntroCAD, Draw, CAD, IFF, HPGL2, PostScript, or Encapsulated PostScript.  
Immunobiology Laboratory, Massachusetts General Hospital East, Bldg. 149, 13th Street, Charlestown, MA 02129

### Snip

Object-oriented data acquisition/signal display and analysis program. Display up to 20 channels on screen. Zoom points into hi-res (2 point min.) windows. Custom interface. Has 12-bit/kHz/16-channel acquisition using ACDA Proto-40K or ASDG Twin-X with SBX-311. Demo on FF197. \$1000.00  
Digital Dynamics, 739 Navy Street, Santa Monica, CA 90405, (213) 396-9771

### The Engineer's Toolbox-Volume 1, Graphic Tools

Volume 1, Graphing tool of the Engineer's Toolbox is a bundled software package composed of the The Aplot Library, ConvertAplot, and GenAplot. See other Engineer's Toolbox's. \$149.95  
Advanced Creations Incorporated, P.O. Box 31818, Dayton, OH 45431, (513) 427-5439

Scientific  
Mathematical  
Video Graphics  
Art & Animation



Industrial  
Software  
Hardware  
Systems

## FractalPro5.0 NEW!

8 types - Mandelbrot, Julia, Cubes, Transcendentals  
24-bit IFF & ARexx support  
Requires 881/2 or 040 & 2 Megs  
List Price \$149.95

## FractalPro4.0

4 types - Mandelbrot, Julia, Cubes  
Works with any Amiga  
Transparent 68020/30/40 support  
List Price \$99.95

## ScapeMaker2.0 NEW!

Converts IFF images (320x200 to 768x592, HAM, NTSC & PAL) to Landscape/DEM format for 3-D rendering with Vista & VistaPro and Scenery Animator. Convert logos, digitized topographic maps, etc. Options to extrude, carve, smooth, add scapes together, and ARexx!  
List Price \$39.95

## BarPro/A2.0 NEW!

Bar Code Printing and IFF files  
11 types of popular bar codes:  
39, 93, 25, 125, 128, Codabar  
NEW! US Postal Bar Code  
NEW! ARexx batch processing  
List Price \$129.95

## BarPro/B

Bar Code Scanning Systems  
Scan bar codes directly into any Amiga application: databases, spreadsheets, accounting, even CLI/Shell - Wand or Laser Gun  
Complete systems from \$699.00

NeuroPro Neural Network System - \$89.95  
CellPro Cellular Automata Art and Animation - \$89.95  
LuCypher I and II Cryptographic Systems - \$49.95 & \$199.95  
Low, low prices on Amiga hard drives - from \$199.95 (44Mb)  
Authorized Amiga Dealer  
MegageM 1903 Adria Santa Maria, CA 93454 (805) 349-1104

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## ❖ ❖ ❖ DESKTOP VIDEO ❖ ❖ ❖ GENERAL

◆ **A\*Video Professional Font System 1.0**  
Professional video and paint program fonts. Artist-designed, sculptured, specialty, and plain (serif and sans-serif) Workbench-compatible bitmap fonts. Includes free toaster-format conversions. Over a dozen typefaces in 2-6 sizes each, from 30 to 130 pixels high. Video-legal, switchable palettes, upper/lower case and symbols. Also includes Master Kit for Eurofonts so add foreign language modules as you need them. 3MB or more recommended, 6MB or more for Toaster versions. \$249.95  
**CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342**

◆ **AlterImage Genlock**  
The AlterImage Genlock allows Amiga users to easily and affordably turn their computer into a complete desktop video workstation to add titles, graphics, and special effects to home videos and presentations. Works with AlterImage Video F/X. A toggle switch allows the user to view the video and the graphics separately or in mixed form. \$249.95  
**Disc Company, The, 11040 Santa Monica Blvd, Ste. 300, Los Angeles, CA 90025, (213) 478-6767**

**AlterImage Video F/X**  
A new desktop video program that lets users give a professional touch to their videos by adding titles, graphics, and special effects. With a simple hardware configuration consisting of a video source such as a camcorder, plus a VCR, and a genlock video interface, AlterImage Video F/X provides users with all the software tools to transform the Amiga computer into a complete desktop video workstation right at home. The user can choose from a variety of title fonts and colors, plus a complete library of video clip art graphics specially designed for superimposing over video images. Rules, borders, frames, and panels are also easy to create in a full spectrum of colors for added visual excitement. Using the video effects menu, titles can be made to zoom, scroll vertically, or crawl horizontally across the screen. Screen 'wipes' can also be added between scenes to create dramatic transitions. AlterImage F/X is provided on three 3.5-inch diskettes—one containing the program itself, one containing the font library, and one containing the video clip art library. 1MB required. \$199.95  
**Disc Company, The, 11040 Santa Monica Blvd, Ste. 300, Los Angeles, CA 90025, (213) 478-6767**

◆ **AmiLink 2.0 Pro**  
Frame accurate A/B-Roll/Cuts-Only video tape editing system. Complete control of editing functions using mouse, keyboard, joystick, and trackball. Keyboard layout is industry standard (CMX/GVG). Edit list creation and manipulation (ripple, clean tail, sort by any field, cut and paste, data xfer), import and export CMX 3600 format text list. MSDOS support. Match Frame edits: Match OUT, AutoMatch Recorder, Match Recorder, Match Source, Location Match, Match Now. Control up to 16 source and four record VTRs. Soft patching for control signal routing. Interformat editing, use both parallel and serial VTRs together. Time Lapse, Single

Frame, and recorder-only edits. Serial switcher and multi-GPI control. Open-ended immediate/delayed-roll edits. True delayed B-roll. Special Music Video mode allows editing to the beat of music/dialogue. Cuts-Only Serial \$4380.00; A/B-Roll Serial \$5994.00. AmigaDOS 2.0 compatible. NTSC or PAL available. \$4380.00  
**RGB Computer & Video, 4152 Blue Herron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348**

◆◆ **AmiLink/CI AB-Roll**  
Controls three VCRs, two sources, and a recorder for A/B-Roll editing with Panasonic AG-1960 video decks. Functionally identical to the professional version of AmiLink 2.0 and AmiLink/VT. Perform advanced edit list based A/B-Roll editing with all the frills of professional post-production systems. CMX 3600 list import/export for off-line editing. Video Toaster control option. Toaster control identical to pro version AmiLink/VT. AmigaDOS 2.0 compatible. NTSC or PAL available. \$1595.00  
**RGB Computer & Video, 4152 Blue Herron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348**

◆◆ **AmiLink/CI Cuts-Only**  
Controls two VCRs. A special version of AmiLink 2.0 for the industrial video market. Functionally identical to the professional version of AmiLink. Does everything except split edits. Edit list compatibility with AmiLink and CMX 3600. Edit List creation/auto-assembly. Video Toaster control optional. Operates most Control M and L VCRs and some Camcorders. AmigaDOS 2.0 compatible. NTSC or PAL available. \$995.00  
**RGB Computer & Video, 4152 Blue Herron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348**

◆◆ **AmiLink/E.S.P.**  
AmiLink Electronic Support Program. Automated download and de-archive tool for the RGB Technical Support Bulletin Board. This utility program allows registered users of AmiLink who do not have computer telecommunications experience to easily access the RGB TBBS and automatically download and decompress software updates and pd/shareware utilities. Experienced computer telecommunications users will not need this package. It was designed for the video professional who does not have experience with or time for modems and BBs. AmigaDOS 2.0 compatible. NTSC or PAL available. \$100.00  
**RGB Computer & Video, 4152 Blue Herron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348**

◆◆ **AmiLink/O.L.G.**  
The AmiLink On-line Editor's Guide. On-line Hypertext documentation, reference and tutorials for the AmiLink family of video tape editing systems. Uses Commodore's new Amiga Guide system. For registered users of AmiLink. AmigaDOS 2.0 compatible. NTSC or PAL available. \$150.00  
**RGB Computer & Video, 4152 Blue Herron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348**

◆◆ **AmiLink/REMOTE!**  
Special remote control system for AmiLink/VT. Allows AmiLink/VT to control the Video Toaster from a second (any model) Amiga Computer. AmigaDOS 2.0 compatible. NTSC or PAL available. \$150.00  
**RGB Computer & Video, 4152 Blue Herron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348**

◆ **AmiLink/VT Pro**  
All of the features of AmiLink 2.0. AmiLink/VT provides integrated control of NewTek's Video Toaster in a post-production environment. One keyboard and mouse control all phases of the creative process. AmiLink/VT runs concurrently with the Toaster in a single Amiga computer. Dissolves, Wipes, Toaster Digital Effects, Digital Video frame stores, and the Character Generator pages are called up automatically when the edit is performed and stored in the edit list. This makes unattended list Auto-Assembly possible. Provides Single-Frame

control for recording LightWave animations to tape or optical disk. Recorder only edits for DV1/2, live camera sequencing. Cuts-Only Serial \$4630.00; A/B-Roll Serial \$6245.00. AmigaDOS 2.0 compatible. NTSC or PAL available.  
**RGB Computer & Video, 4152 Blue Herron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348**

**Animation: Titler**  
Professional real-time titler and character generator, including hi-res, overscan, true scrolling direction, and looped playback. \$79.95  
**Hash Enterprises, 2800 E. Evergreen Blvd., Vancouver, WA 98661, (206) 693-7443**

◆ **Animattes: Wedding Series**  
A collection of self-running graphic routines to use when producing a wedding video. It works on any Amiga/Genlock combination and is completely icon driven for easy point and click operation. Once the animatte is running there is no worry about remembering which key to hit because hitting any key other than the ESC key will cause the animation to progress to the next appropriate action. Eleven routines to mix and match. Each routine is ready to use straight out of the package, or can be personalized by the user. Compatible with DeluxePaint III for user modification. A tutorial included in the manual gives step by step instructions on modifying the Animattes. Three unprotected disks. \$39.95  
**Electric Crayon Studios, 3624 North 64th Street, Milwaukee, WI 53216, (414) 444-9981**

◆◆ **AutoPrompt**  
A scrolling script prompter designed for TV script prompting and information displays. Developed with flexibility, simplicity and speed as the primary design considerations. AutoPrompt has two interleaved components, Prompt mode and Edit mode which can be swapped at will. Prompt mode features, among other things, text mirror imaging, used selectable fonts, an optional message window for passing messages to the reader while scrolling, variable scroll speed and direction, and a continuous mode for use as an information display. The built-in edit mode is an easy-to-use text editor featuring search, replace, place markers, margins, and insert. Text can be imported from either ASCII or IFF FTEXT formats. NTSC or PAL. European characters fully supported. AmigaDOS 1.2, 1.3, or 2.0. \$295.00  
**DigiSoft, 12 Dinmore Street, Moorooka, Brisbane, Queensland, Australia 4105, (011) 617-277-3255**

**Credit Text Scroller v2.0**  
Using a simple point-and-click interface, the user can select fonts, font sizes, and scroll rates. Creation of a credit screen of information display now simply involves using your favorite text editor word processor to generate the information to be displayed, then by using the Credit Text Scroller, it will automatically create the desired display. The final result is in the common ANIM format, for easy interchange with programs such as DPaint which support this format. The smooth scrolling result can be genlocked over a video source, or overlaid on another ANIM. The program allows text adjustment within a line. Features include automatic shadows, colors, a subtitle option, and ANIMs limited only by hard drive capacity. \$49.95  
**Mindware International, 110 Dunlop W. Box 22158, Barrie, Ontario, Canada L4M 5R3, (705) 737-5998**

**DeluxeVideo III**  
Provides complete control over Amiga's graphics, animations and sounds. With its visually-oriented interface, DeluxeVideo III adds full integration of sound effects, music, and MIDI to make complete audio-visual presentations. It can be used to create interactive demos, animated cartoons, or other types of video presentations using the full range of Amiga graphics, animation, and sound. These videos can be recorded on videotape or played back through the Amiga. In addition, DeluxeVideo supports object-oriented interactivity for HyperCard™ like flexibility. DeluxeVideo III supports all Amiga resolution modes (including HAM, hi-res, and interlace),



super bitmaps, high speed animation, MIDI output and IFF standard sound and music files, and is the only program that has full DeluxePaint III capability. \$149.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Draw4D

3-D graphics and animation. Real time direct window into 3-D space. Elegant wide angle, zoom, rotation controls. Full movie, menu, gadget, keyboard support. Full multitasking. Handles polygons of any number of sides. No scripts are required for animation. Preview animations at the touch of a key. A wide range of powerful tools. Interruptable Z-buffer redraw averages 30 sec/frame. Saves in IFF and ANIM formats. Directly saves fully shaded Professional Draw Clips in grey scale or full color. The ultimate desktop publishing drawing aid. Both regular and math coprocessor versions included. \$249.00  
*Adspec Programming, 1405 N. Ellsworth Ave., Salem, OH 44460, (216) 337-3325*

## Draw4D-Pro

Same features as Draw4D, but enhanced for video applications. IFF bitmap wrapping. Gouraud and Phong shading. Unlimited light sources that can be bitted and change in intensity/color during an animation. New animation and multi-level deform mode. An easy-to-use eye path for architectural walk-throughs. Compressed 24-bit IFF saves. Enhanced tools. Many more features. Super-Fast render times, often under two minutes. Direct DCTV support. \$349.00  
*Adspec Programming, 1405 N. Ellsworth Ave., Salem, OH 44460, (216) 337-3325*

## Elan Performer 2.0

For live presentations or cueing imagery for recording tape. Elan Performer 2.0 is the only Amiga program designed exclusively to give you realtime control—just press a key or click the mouse to display more imagery and animation formats than any other program. Full ARexx support including Elan MIDI and recorder. Powerful utilities cut animations into frames, splice imagery into an animation, or convert animations between ANIM and Riff formats. AmigaVision and AmigaDOS release 2 compatible. Requires 1MB RAM. \$149.00  
*NewTek, 215 E. 8th St., Topeka, KS 66603, (913) 354-1146*

## Eurofonts Video: French/Spanish/Italian

Module #2 supports Spanish, French, French-Canadian, Italian and Portuguese. This is a two-part product which requires one Master Kit or the A\*Video System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and monochrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

## Eurofonts Video: German/French

Module #3 supports German and French. This is a Language Module from a two-part product which requires one Master Kit or the A\*Video System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and monochrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

## Eurofonts Video: German/Hungarian

Module #4 supports German and Hungarian (Madgar). This is a Language Module from a two-part product which requires one Master Kit or the A\*Video System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and monochrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

## Eurofonts Video: Master Kit

This is a two-part product. First get the Master Kit which provides extensive generic documentation, utilities, and startup/installation disk for the Eurofonts collection. Then you add as many language modules as you need. The language modules include foreign fonts, keycharts and font samples. You only need one Master Kit (we did this to reduce cost and duplication). Requires at least one language module. If you already have A\*Video Professional Font System, you won't need this as it already includes the Master Kit. \$64.95  
*CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

## Eurofonts Video: Scandia

Module #1 supports English, Danish, Swedish, Norwegian, Finnish and Icelandic. This is a two-part product which requires one Master Kit or the A\*Video System. Adds an extensive collection of Workbench-compatible bitmap fonts 30 to 130 pixels high in 2-6 sizes of each typeface. Toaster conversions included free. Both color and monochrome fonts suitable for paint and video applications. Includes documentation, keymaps, keycharts, and multiple diskettes. We recommend 3MB RAM or more, 6MB or more for Toaster versions. \$84.95  
*CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

## Feature On A Floppy

A two-disk set packed with over 100 individual forms as used in the motion picture industry to assist in the creation of feature films, television productions, and commercials. Includes script, treatment, synopsis and storyboard formats, daily production reports, breakdown sheets, camera and sound sheets, location agreements, artist and crew-deal memos, contracts, continuity report, extras details, daily assistant director's report sheet, and more. Each form is supplied with full explanatory notes. ASCII (text) format: \$38.95 U.S.; PPage (v2.0) format: \$48.95 U.S.  
*FroMate Pty., Ltd., P.O. Box 584, Box Hill, Vic 3128, Australia*

## GENamations

Especially designed for Amiga genlock-encoder owners and users, these animated sequences have special Color 0 capacities, allowing the non-Amiga signal to be framed in the animation. They are all in 32-color lo-res overscan, so that users wishing to edit the results will have to use a 'set lace' function in their video software. These are the first of a multiple series of offerings in the GENamations series, and include a dozen useful genlockable animations for seguing scenes and video experimentation. Two disks. \$49.95  
*EyefulTower Comm./EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## INVISION Plus

Works with the LIVE! FrameGrabber from A-Squared Distributions and a VCR or video camera to make professional video effects possible at the press of a key. New features include ANIM format compatibility; automatic rate effects control; graphics still, store, and display, and more. Available for NTSC or PAL. \$299.00  
*Elan Design, Inc., 790 Main St., Ste. E, P.O. Box 3136, Half Moon Bay, CA 94019, (415) 726-5097*

## Interplay Amiga

Interplay Amiga is a desktop production system which allows productions to incorporate images, samples, music, and animations. VAXL video text programs and ARexx macros can be launched from on screen buttons. Freeflow layout system requires no programming experience and creates completely stand-alone productions. Ideal for presentations, POS, and POI. Price TBA. Available January 1992.  
*Optonica Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA, (011) 4445-555-8282*

## JMH Easy Titler 2.0

Version 2.0 accepts additional fonts, uses overscan with all resolutions of IFF screens for backgrounds, and has 54 transitions to take you from screen to screen. This titling package/character generator will autoboot and is ideal for unattended use; it will also allow single stepping through your slideshow to make it the ideal tool for your live presentations. The script for the JMH Easy Titler permits up to 75 screens. \$49.95  
*JMH Software, 7200 Hemlock Lane, Maple Grove, MN 55369, (612) 424-5464*

## MediaBase Program Disk

Program gives easy interactive access to audio-visual presentation created with the MediaProcessor Program. Will include a touchscreen interface soon. \$200.00  
*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile Desktop Video System

The MediaPhile Desktop video production system now offers fades, wipes, and dissolves from the NewTek Video Toaster. Edit decision list commands control the Toaster, video decks, camcorders, and infrared devices like compact and laser disk players to produce professional quality video tapes. The system supports A/B-roll editing from two-player decks to a recorder, insert editing, gelock and switcher control, animation and title control, and accurate SMPTE time code tape positioning. Multimedia device control from AmigaVision, Showmaker, CanDo, The Director, and other popular presentation programs is done through an ARexx interface to the MediaPhile executive library. A Programmer's Toolkit is also available for BASIC and C-Language programmers. Complete SMPTE time code, three-deck video production and presentation systems are available from \$470. \$670.00  
*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile Servers Program Disk

ARexx and custom module interfaces to popular Amiga presentation, interactive training, and database programs including Amiga Vision, The Director, CanDo, and ShowMaker. Requires a MediaPhile Controller. \$200.00  
*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile Utilities Disks

MediaEditor video edit decision list program controls video decks and camcorders to make video productions. MediaController icon and keyboard device control program for animation and title recording from within many popular Amiga programs. Also includes the TCGen window dub and SMPTE time code generator program. Requires a MediaPhile Controller. \$200.00  
*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaProcessor Program Disk

Professional video post-production edit-decision list program. Control video decks, camcorders, the Toaster, and other devices to make video productions with titles and special effects. Supports A/B-roll editing from two-player decks to a recorder, insert editing, genlock and GPI switcher control, and animation and title recording. Requires a MediaPhile Controller. \$200.00  
*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## Olo Backs 1

These are 16 color, hi-res overscan backgrounds intended to support and enhance written foreground text. The intention is to use any professional colorfont, like Kara Fonts or Olo Fonts, that use only the first eight color-registers. Such fonts will easily be applied onto these backgrounds. Olo Backs only use the last eight color registers of all the 16 in each hi-res picture. That leaves the first eight at the disposal of the colorfont and makes it very comfortable and fast to create beautiful screens while still preserving the palettes of both the background and the colorfont. Olo Backs 1 are available in both NTSC- and PAL-format. The two versions are almost identical. Olo Backs 1 consists of two main themes. There are approximately 25 motifs with variations on tubular shapes and 10 motifs with variations on tile shapes. Some motifs have a dazzling 3-D approach whereas others create a more subtle 2-D background. Note that these pictures require Super Fat Angus. All motifs are supplied with 15 different color-palettes making a total of well over 400 different pictures possible. Two disks and a thorough 20-page user-manual in English included. Requires 1MB Chip RAM minimum. \$59.95  
*ArtoVinjett, Byalys v.65, S12174 Jhov, Sweden, (011) 468-649-7702*

## Olo Backs 2

These are 16 color hi-res, overscan backgrounds intended to support and enhance written foreground text. The intention is to use any professional colorfont, like Kara Fonts or Olo Fonts, that

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# Desktop Video

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use only the first eight color registers. Such fonts will easily be applied onto these backgrounds. Olo Backs only use the last eight color registers of all the 16 in each hi-res picture. That leaves the first eight at the disposal of the colorfont and makes it very comfortable and fast to create beautiful screens while still preserving the palettes of both the background and the colorfont. Olo Backs 2 are available in both NTSC- and PAL-format. The two versions are almost identical. Olo Backs 2 consists of four main themes. There are approximately five motifs with variations called thread shapes, two on marble, two on diamond, and 10 motifs with variations called fence shapes. Some motifs have a dazzling 3-D approach whereas others create a more subtle 2-D background. Note that these pictures require Super Fat Angus. Marble motifs comes with 10 different palettes. All others are supplied with 15 making a total of at least 275 different pictures possible. Two disks and a thorough 20-page user-manual in English included. Requires 1MB Chip RAM minimum. \$59.95  
Arto Vinjet, Byalos v.65, S12174 Jhov, Sweden, (011) 468-649-7702

### ◆ Our Wedding

Twenty-five computer graphic still images, that your bride has been waiting for. Our Wedding contains full color embossed, 3-D, and pastel wash images. Used by both professional wedding videographers and home video enthusiasts to add a touch of class to that most important event. \$89.95 in 24-bit IFF, 69.95 in HAM format.  
Digital Graphics Library, Inc., The, 1382 Third Ave., Ste. 333, New York, NY 10021, (212) 978-8508

### Pro Fills

Professional-quality, full-color patterns, and textures for use in desktop presentations and video. Create complex backgrounds and surfaces instantly, adding a new dimension to your video titling and presentations. Pro Fills patterns and textures are IFF brush format and compatible with all IFF paint and titling programs that allow custom brushes in fill tools or titling functions. High resolution and interlace resolution versions of the patterns are included. Also includes a large assortment of color palettes complete with color ranges defined for dropped shadows and highlights. The patterns and textures may be combined to make thousands of variations and are compatible with multicolor fonts. \$29.95

JEK Graphics, 12103 S Brookhurst Ste. E-125, Garden Grove, CA 92642-3065, (714) 530-7603

### Pro Video Gold

Real-time on-line character generator. Minimum of 100 pages in memory. Two color and four color pattern attached to any font. Four levels of color cycle or flash. Create quick backgrounds, with 100 real-time line and page transitions. Anti-aliased fonts and IFF picture importation requires more than minimum memory requirements. A1000, A500, A2000 WB 1.3 minimum 1MB total memory required. \$249.95

Sherriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022

### Pro Video Plus

Real-time on-line character generator. Minimum of 100 pages in memory. Two-color pattern attaches to any font. Four levels of color cycle or flash. Create quick backgrounds, with 100 real-time line and page transitions. IFF picture importation supported with additional memory. English, German and Swedish fonts standard. A1000, A500, A2000 minimum 1MB total memory required. \$299.95

Sherriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022

### Pro Video Post

Real-time character generator. Anti-aliased fonts, up to 2600 pages in memory. Reduce, enlarge, rotate, and move images for placement. Includes 100 page and line transitions plus 84 digital video effects accessed in real-time. Import IFF images or create quick backgrounds. English, French, German, and Swedish characters standard. NTSC-\$349.95, PAL-\$399.95. Requires 1MB chip and 2MB fast RAM.

Sherriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022

### Programmer's Toolkit Disk

Control videodecks, laser and compact disc players, and other infrared controlled devices from your C-language or BASIC programs. Disk includes linking libraries and bmap files for the MediaPhile executive library. Requires a MediaPhile Controller. \$200.00

Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545

### Roll'em!

Roll'em! is an automatic teleprompting and titling program. Roll'em! is powerful enough to satisfy the most demanding of professional applications, yet simple enough for the amateur video enthusiast to master! Roll'em! includes a well-documented easy-to-follow manual which is comprised of tutorial and reference sections. Easy-to-follow examples facilitate the fastest user start-up possible. Still credits or titles are also possible. Roll'em! can be operated from the computer, or remotely by the speaker. Use a joystick or a footswitch to control the script. \$149.95

Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501

### ◆ Screen-Maker Top 40 HAM Images

Forty digitally reformatted images from the 24-bit IFF version of Screen-Maker. Allows users to take advantage of the images that were conceived on broadcast mainframes, and then transferred to conform with Amiga HAM color specifications. \$79.95  
Digital Graphics Library, Inc., The, 1382 Third Ave., Ste. 333, New York, NY 10021, (212) 978-8508

### ◆ StarsFX™

A user-navigated moving starfield flyby animation kit; Experiment, create, design, fly, record, save, playback, combine, change patterns and colors and sounds. Online doc. NTSC available now, PAL in January 1992. \$29.95  
Pacific Digital Effects, 6 Stetson Drive, Kentfield, CA 94904, (415) 457-8448

### ● TV\*SHOW V2.0

The famous special effects slide show generator is better than ever. Now it's your graphics, animation, and sound slide show generator. Performs wipes, reveals, pushes, and more. Add speech. Many features. Now supports ANIM's and digitized sound. AmigaDOS release 2 compatible. Recommended 1MB RAM, two disk drives or hard drive. Users of the original TV\*SHOW can upgrade to TV\*SHOW Version 2. \$99.95  
Zuma Group, 6733 N. Black Canyon Hwy., Phoenix, AZ 85015, (602) 246-4238

### ● TV\*Text Professional

Produce eye-catching lettering and graphics for video titling and desktop presentations. TV\*Text Professional's package contains a program disk, three font disks containing Zuma Fonts Volume 1, 2, and 3, and a 220-page spiral-bound User's Guide. With a click of your mouse, TV\*Text Professional renders text, shapes, and objects in any number of colorful and dazzling styles. Full IFF image compatibility means you can use TV\*Text Professional with variety of graphics and animation programs, including TV\*SHOW™ special effects slide show program. Users of the original TV\*Text can upgrade to TV\*Text Professional and should contact Zuma Group for further information. AmigaDOS release 2 compatible. Recommended 1MB RAM, two disk drives or hard drive, preferences supported printer. \$169.95  
Zuma Group, 6733 N. Black Canyon Hwy., Phoenix, AZ 85015, (602) 246-4238

### The Mandala Virtual Reality Authoring Software/Mandala

The ultimate human interface/multimedia tool. A video camera passes your real-time, live image into virtual realities created with this complete animation/video/music package. Viewing yourself on TV, manipulate animation and sound effects with your 'live video image.' Supports video laserdisk for high-end worlds. Comes with example scenes and mouse command authoring interface to create your own. Additional pre-fabricated VR's available from Vivid's library. Supports IFF pics, brushes, sounds; anims, sprites, AREXX, MIDI, multi-state animation, universal variables, live video game construction, etc. Compatible with all Amigas. Requires A2 'Live' Digitizer. \$495.00  
Vivid, Inc., 317 Adelaide St., West Suite 302, Toronto, Ontario, Canada M5V 1P9, (416) 340-9290

### Title Page

Professional titling package and brush manipulator. A titler, font manager, script viewer, effects editor, pattern editor, list modifier, and a slideshow system are included. Full IFF and AREXX support are provided, with more than 65 AREXX commands. The package includes nine fonts and four color fonts. Create dazzling effects and stunning background for your next presentation. \$199.95  
Eschalon Development, 1102-Renaissance Square, New Westminster, Quebec, Canada V3M 6K3, (604) 520-1543

### V.I.P.

This multiple-output video adapter is a tool for the desktop video enthusiast. Providing superior quality Composite out and SVHS Out, this device allows your Amiga to be interfaced with virtually all video hardware producers that require a Composite or SVHS signal. Additionally, an RGB pass-thru is provided so that you can monitor the signal transmission on your Amiga monitor. For output to videotape this device is a must. It works on all Amiga systems. \$129.00  
DigiFeX Corporation, 610 Main Street, Oregon City, OR 97045, (503) 656-8818

### Vermont Seasons

These disks are packed with dozens of seasonal images of Vermont as it appears through the four seasons of the year. All of the digital still-photographed material is in lo-res HAM. There are four 3-disk sets, and with them you can travel through all of the colors of autumn, the blue-white cold of winter, the light green haze of spring, and the lush tropical warmth of summer. Useful as educational references, video backdrops, DTP fills, and as beginnings for original electronic montages. A 12-disk set. \$129.95  
EyeFulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

### VidGen 2.0

VidGen is a program that creates professional quality backgrounds in seconds based on your design, color scheme, and creative input. Version 2.0 features many new design options including drop shadows, full color, continuous scrolling, and shaded backdrops using included or custom symbols. VidGen was designed to save you time in creating video productions and business presentations. You create backgrounds by loading any of the standard symbols included with VidGen, one of your own symbols or brushes, or any standard clip art. Highlights, embossing, and tiling are done automatically. With VidGen's default settings you don't have to modify the background, but instant changes can easily be made using simple graphical controls. You can display the background (still or continuously scrolling) in overscan for video recording. Finally, you can save the background as a project for later re-loading and modifying in VidGen, or as an IFF graphic for use with other software such as titling, paint, and presentation software packages. A free demonstration disk and upgrade information are available from Microsoft Software. \$149.95

Microsoft Software, Ltd., P.O. Box 1072, Exton, PA 19341, (215) 642-7638

### ◆ Video Animation Controller

Hardware controller for serial and parallel video decks. Can be expanded to AmiLink cuts or a/b-roll editor. Works with LightWave and RGB's Animation LINK! software package. LTC time code in via nine pin or RCA. Serial vtrs \$995; Parallel vtrs \$1350; VITC/LTC/MTC reader generator option \$500. Available in 19-inch rack or half-rack sizes. 19-inch rack option included with time code generator, extra cost without generator option. AmigaDOS 2.0 compatible. NTSC or PAL available. \$5.00  
RGB Computer & Video, 4152 Blue Herron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348

### Video Toaster Training Volume One

First in a series of VHS instructional tapes on NewTek's new Video Toaster. Covers the many features of the Toaster and instructs the viewer how to use these features in video production and editing. Vol. One covers hardware requirements, production switcher operation, digital effects tips and techniques, character generator program, frame store application, luminance keying, and chroma effects. \$39.95

TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028



## Video Tools

A collection of professional tools for desktop video. Includes a subtitle, a creditor, scroller, teleprompter, background generator, color bar generator, video pattern display, slide and maker, XIP Image presenter, ASCII word processor, plus nine fonts, and four color fonts. Perfect for video production houses, cable stations, and amateur desktop video enthusiasts. \$299.95  
*Eschalon Development, 1102-Renaissance Square, New Westminster, Quebec, Canada V3M 6K3, (604) 520-1543*

## WJK Graphic Backgrounds Preview Video

This comprehensive hi-res collection with over 100 backgrounds is distinguished by high-end graphics emulation; color zero never used; color 1 available for titling with other colors for outlining and shadowing; little flicker; compatibility with Kara Fonts and Pro Video Gold/Post; purchase only what you need, when you need it, in IFF file. This video-for previewing only—shows you actual second generation backgrounds followed by a special section, 'Putting It All Together,' which shows creative ways of combining titles with these backgrounds. Musical accompaniment and information pack. \$8.00  
*Kronemyer, WJ Associates, 280 East Glen Ave., Ridgewood, NJ 07450, (201) 445-1919*

## ts-Prompt

Professional teleprompter software. Includes 1000 scroll speeds controlled by mouse or keyboard; reverse and inverse view modes; ASCII text file imports; print option; and a clear, intuitive 'point-and-click' user interface. System requirements: Any Amiga 512K, AmigaDOS 1.3 or 2.0. \$99.00  
*Lucky Fish Software, 4830 Briarwood, Ste. D4, Royal Oak, MI 48073-1353, (313) 288-3753*

## ◆◆◆ FONTS ◆◆◆

### 600 Amiga Fonts(6-Disk Set)

The 600 Amiga bitmap fonts converted from BMUG Library Disks 1-12. 180+ typesets in a range of sizes for dot-matrix printing and Amiga video uses. Mostly smaller text sizes, but largest up to 144 points. Ready to use in DPaint, Zoetrope, and Photolab with the easiest fonts installation instructions ever. Sampler disk—\$10. \$50.00  
*Lion's Amiga Art Studio, P.O. Box 42252, San Francisco, CA 94102, (415) 863-1781*

### AmiVideo Fonts 2.0

Large English language fonts for paint and video applications. Artist-designed collection of antialiased color and monochrome bitmap fonts from 30 to 130 pixels high. Includes video-legal switchable palettes, microkerning, upper/lower case and symbols; lots of sizes and typesets. Amiga-workbench compatible. Toaster conversions included free. Extensive documentation, font utilities, and sample printouts. 1MB Chip/3MB Fast RAM recommended. \$49.95  
*CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### ◆ ArtisticCLIPS

Clip art in the Professional Draw clip format which covers nine common subject areas ranging from animals to transportation. Comes with a manual showing all the images and contains hints on using them in various programs. These images contain a high level of detail, and have realistic colors which have been chosen to produce optimum results when printed using either black and white or color printers. Many clips contain shadings and gradients, and produce excellent results when color separated. These clips aren't prone to jagged bitmaps, but are mathematically defined equations that will print to the maximum resolution of your printer, whether dot matrix or hi-res imagesetter. These images can be printed using any program that imports Professional Draw clips. Colors can be modified using Professional Page 2.0, Professional Draw 2.0, or Pagestream 2.1. Pro Draw 2.0 and Pagestream 2.1 can be used to customize the clip to your specific application. \$41.95  
*Artistic Software, Inc., 55 Selwyn Place, Kanata, Ontario, Canada K2K 1P1, (613) 591-6039*

## Bread & Butter Fonts

For use only with Toaster. Seventeen styles each in 26, 38, 50, and 66 scan line sizes. Anti-aliased, ready to use. No conversion, no half-pint fonts. \$119.95  
*Sherriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022*

## ◆ Broadcast Backgrounds

Five-disk set of high-quality images for use as backdrops in video productions, multimedia applications, and business presentations. They are all IFF files and are 16-color hi-res, overscanned images which are compatible with any software that allows importation of IFF graphics. Broadcast Backgrounds are designed with palettes that are easy to modify and which are ColorFont compatible. There is a wide range of patterns, textures, and gradients such as brickface, granite, wood, metal, cloth, and much more. Special borders and box type backgrounds included. \$44.95  
*Gulfgate Technologies, 7507 S. Tamiami Trail, Ste. 82, Sarasota, FL 34231, (813) 378-5477*

## Broadcast Font Pack 1

Ten professional high quality typefaces. All fonts are in both anti-aliased Broadcast Titler 2 and Standard Amiga formats. Amiga font sizes are 100 scanlines in height. Anti-aliased broadcast Titler 2 fonts are in various smaller sizes. Each font style contains the full 256 ASCII character set which includes special symbols and international accents. Additional sizes of Amiga fonts can be created with the Broadcast Titler 2 Font Enhancer. Fonts can be used with other Amiga Paint, Desktop Publishing, Multimedia & Video Packages. \$169.95  
*InnoVision Technology, 1933 Davis Street, San Leandro, CA 94577, (415) 638-8432*

## Custom PostScript® Fonts

Postscript® fonts created from your scanned artwork, or your logo inserted into any PS font you already own. Any language possible—Chinese or Japanese requires 30 fonts. Type-3, user font, produced with screenfonts and metrics for precision layouts in either Amiga and/or Macintosh formats. *Lion's Amiga Art Studio, P.O. Box 42252, San Francisco, CA 94102, (415) 863-1781*

## Hi-Fidelity Fonts (6-Disk Set)

A collection of 67 popular typefaces for video title screens and headlines, each in 100 points tall for Amiga resolution compatibility and interchangeability. Includes 'metric' files for use in ProfessionalPage dot-matrix printouts. Ready to use in TV\*Text, DPaint, ProfessionalPage and AmigaVision. Made from Postscript® outlines for highest precision letterforms. Hi-Fi Fonts Demo Disk requires AmigaVision. \$10.00 \$120.00  
*Lion's Amiga Art Studio, P.O. Box 42252, San Francisco, CA 94102, (415) 863-1781*

## KARA FONTS-AnimFonts 3™

Capsule is a hi-res eight color metallic, rounded gothic, uppercase contemporary font 'which sparkles on' from the middle revealing characters to the top and bottom. Then, a sparkles goes across each letter from the left to the right. A separate sparkle for custom effects is included. Comes in both keyboard and ANIMfont format with palettes of chrome, gold, metallic, and silver. One disk. \$49.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177*

## KARA FONTS-AnimFonts® 1

ChromeSCRIPT is an eight-color, formal script in caps and lower case and comes in both a Keyboarded and an AnimFont. Each letter appears to be handwritten across the screen. Additional palettes included along with utility programs to use ColorFonts. One disk \$49.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177*

## KARA FONTS-AnimFonts® 2

Bullion is a dimensional, beveled, highlighted, uppercase, gothic eight-colorfont and comes in both a Keyboarded and AnimFont. The AnimFont rotates onto the screen 90 degrees on the Y axis to the left while a glint of light travels across the face. Also includes additional palettes and utility programs to use ColorFonts. One disk. \$49.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177*

## KARA FONTS-HEADLINES

Three-disk set. Featuring 10 hi-res, dimensional, up to eight color, uppercase fonts in two sizes each (approx. 104 and 84 pts. high). Font styles in Chrome, Marble, Brick, and Granite are dragable for added 3-D effects. Other styles are Chisel, Wood, Bevel, Cast, Chiselerif, and Column. \$79.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177*

## KARA FONTS-HEADLINES 2

Two disk set offers four, new, eight-color fonts in two-three sizes each. ChiselScript: Italic script in upper and lower case. Glass: Transparent uppercase gothic face. Engraved: Dragable, uppercase two-planes shiny font. Embossed: Raised or sunken letters on a surface. \$69.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177*

## KARA FONTS-SUBHEADS

Two-disk set. A scaled-down version of Headlines, offers same unique ColorFonts in two smaller sizes (approx. 72 and 55 points). New sizes allow a greater range of flexibility in titling without having to reduce and makes it possible to use in lower resolutions at a workable size. \$69.95  
*Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177*

## ◆ Masterpiece Anti-Aliased Font Collection

All 110 fonts from the Masterpiece Professional Font Collection have been anti-aliased and resized to multiple sizes of each font. 110 different styles—586 total fonts. Fonts have also been compressed to save space on your hard drive. Requires the ability to support Colorfonts. \$199.00  
*ARock Computer Software, P.O. Box 731, Springfield, MO 65801, (417) 866-8803*

## Masterpiece Professional Font Collection

The largest collection of fonts and clip-art available for the Amiga today. 110 different fonts are included in this 20 disk set. Also included are 141 hi-res pages of border clip-art. Four disks of Colorfonts and two disks of Brushes round out the set. A must for the video professional. \$199.00  
*ARock Computer Software, P.O. Box 731, Springfield, MO 65801, (417) 866-8803*

## Midnight Fonts

Original fonts for various applications. This is the desktop video set of the Midnight Fonts series. \$29.95  
*Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449*

## Olo Fonts Collection 1

This is a collection of the normal, colorfont-versions of the Olo Animated Fonts 1, 2, and 3 (Marmor, Glider, and Gold). They are 8 color fonts intended for hi-res. Marmor is a marble-looking, massive and impressive font in caps. Gold is a gold-looking, clear and exclusive font in caps. All fonts support most characters in German, French, Spanish, and Scandinavian. Each font comes in two sizes ranging from 108 pts to 140 pts. This collection does not contain any of the animated versions of these fonts. All the corresponding palettes are naturally supplied. Marmor comes standard in Ivory-palette with different, suitable marble palettes added. Glider comes standard in sober green & brown-palette with 6 other palettes added. Gold comes standard in fancy gold-palette with 9 other palettes added. Two disks and a thorough 24-page user manual in English included. Requires 1MB minimum. \$59.95  
*ArtoVinjett, Byalov v.65, S12174 Jhov, Sweden, (011) 468-649-7702*

## PostScript® Fonts Conversion

PostScript® fonts converted from Macintosh to Amiga ProfessionalPage. Most type-1 and all type-3 user fonts can be successfully translated. Service includes Amiga screenfonts for layouts, 'metric' files for precision kerning, and downloadable type-3 Postscript fonts for use with any Adobe® Postscript laser printer. Over 300 PS converted to date. Insured original factory disks only—no pirate fonts accepted. Fast turn-around. \$35/disk. Call for volume discount.  
*Lion's Amiga Art Studio, P.O. Box 42252, San Francisco, CA 94102, (415) 863-1781*

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# Desktop Video

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**Pro Video Series Alternate Fonts (five sets)**  
Compatible with Pro Video Plus, Gold, and Post only. Each set contains four styles in four sizes. Each has anti-aliased files and regular font files. Easy icon installation. \$59.95  
Sherriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022

### Professional Font Library 4.4

Quality multidisk, general purpose English language font product. Over 60 typefaces, approximately 200 font files from 7 to 88+ pixels high, both monochrome and color fonts. Suitable for paint programs, WYSIWYG word processing, variety headlines and low-end video titling. Includes icon interface, many utilities, comprehensive 82-page manual plus 36 pages of sample printouts. 512K recommended, 2MB for color fonts. \$79.95  
CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342

### The Cool ColorFont Collection

Colorfonts with various faces in a three-disk collection for paint programs or video. Large sizes 65-82 lines with Serif, Sans Serif, Modern, a Gold Bar, and a written font are among the various colored fonts for video. Upper and lower case. \$40.00  
CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

### Touch & Go Animation System

Automates the process of creating finished titling animations, complete with synchronized sound effects. The user can create a broadcast quality 2-D animation in less than 60 seconds. Just type in text, choose from among several special effects, then watch and video tape the completed animation. It is a self-contained, stand-alone system, and requires no authoring or paint program or user knowledge of animfonts or animbrushes. Sets currently available include Amigan Graffiti, Fireworks, and Pinball. Each set comes complete with the editor/player program, digitized sound effects, and several animfonts. Requires 1MB RAM. Demo disk available. Sets sold separately. \$39.95  
MBZ, 6023 Kilgore Ave., Muncie, IN 47304, (317) 288-0009

### ◆ Ultra-Fonts Volume 1,2,3

Assorted Amiga bit-mapped fonts suitable for use in most paint/graphics/video applications, and some wordprocessing/DTP/presentation packages. Each volume contains large specialty typefaces in unusual but useful styles, up to 160 point. Includes some ColorFonts. An automatic install utility and assign utility are provided, along with sample IFF pictures. New volumes are added periodically. Call for details. For use on all Amiga models. Some fonts may require 1MB. \$25 Australian.  
Pro-Visual, P.O. Box 248, Coburg, 3058, Victoria, Australia, (011) 613-383-4905

### ◆ Video Clipse v1

Amiga graphic enhancements for the video professional. This seven-disk set has 20 big super-clean fonts, each from 100 to 160 points tall. Resize without losing clarity. Both regular Amiga and Video Toaster formats are conveniently included. Video Clipse also includes three clip-art font sets: Special Occasion Clips, Commercial Clips, and Multi-Use symbols (borders, caption balloons, etc.). Also includes hi-res, overscanned, IFF backgrounds and Anim-Brushes. Fully compatible with NTSC or PAL systems, and available for foreign customers. Any Amiga model, and any paint presentation or multimedia program capable of displaying standard Amiga fonts and IFF images. \$99.95  
Graphically Speaking, 2574 PGA Blvd., Ste. 107, Palm Beach Gardens, FL 33410, (407) 626-3447

### ◆ Video Clipse v1.1—Spanish Version

Spanish version of Video Clipse Volume 1. This nine-disk set combines all of the graphic enhancements of Video Clipse Vol.1 (20 big Amiga and Toaster ready fonts; three Clip-Art Font Sets; Backgrounds and Anim-Brushes) with two additional disks containing Spanish characters for all 20 big fonts. All accented vowels, punctuation, cedilla, tilde and dieresis. A user guide in Spanish is also included. Fully compatible with NTSC or PAL systems, and available for foreign customers. Any model Amiga computer. Any paint, presentation, or multi-media program capable of displaying standard Amiga fonts and IFF images. \$129.95  
Graphically Speaking, 2574 PGA Blvd., Ste. 107, Palm Beach Gardens, FL 33410, (407) 626-3447

### Video Fonts II

Seventeen styles each in four sizes. All individually bit-mapped and anti-aliased. For use in programs accepting the ColorText structure. Designed for use in video but perfect for slide images. Easy icon installation. \$119.95  
Sherriff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022

### ◆ VideoFonts

A collection of AGFA Compugraphic outline fonts for use in video titling. Available in five separate packages of three fonts each, these fonts may be scaled to any desired size and then converted to jagged-free Amiga bitmap fonts or Toaster fonts for use with NewTek's Video Toaster Character Generator. Included with each package is VideoFont Maker, a font conversion utility.  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### Zuma Fonts Pack I & II

Bitmapped typefonts for use with any IFF-compatible program, such as TV\*TEXT Professional, which accesses Amiga fonts. Six sizes, from 12 to 100 lines. Requires 512K RAM. ZumaFont Pack I includes Volumes 1, 2, & 3 Zuma Fonts on 3 disks. ZumaFont Pack II includes Volumes 4, 5, & 6 Zuma Fonts on 3 disks. Volume 1: Swiss, Pica, and Barn Fonts. Volume 2: Euro, Chelt, and Stencil Fonts. Volume 3: Coop, Script, and Fast Fonts. Volume 4: Deco, Devine, and Draft Fonts. Volume 5: Metro, Art, and Gospel Fonts. Volume 6: Oak, Sports, and Alps Fonts. Each pack \$99.95.  
Zuma Group, 6733 N. Black Canyon Hwy., Phoenix, AZ 85015, (602) 246-4238

## ◆ ◆ ◆ IMAGE PROCESSING ◆ ◆ ◆

### ◆ Art Department Professional 1.0.3

Professional-level image processing; a superset of The Art Department. Supports ARexx, imports and saves to Amiga and non-Amiga image formats. With optional modules it can control scanners and other imaging hardware. Includes savers & loaders for IFF, Digi-View, Turbo Silver, Sculpt 4D, GIF, PCX, DeluxePaint II Enhanced, PostScript Saver, and 24-bit Composition. Includes a driver for the Impulse FireCracker 24, which fully integrates that 24-bit display board into the Art Department Professional user-interface. A driver which gives direct control over the Progressive Peripherals & Software FrameGrabber video digitizer has been added. Registered owners of prior ADPro versions will receive version 1.0.3 automatically at no charge. \$240.00  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

### Art Department Professional Conversion Pack

The Professional Conversion Pack (PCP) adds to ASDG's Art Department Professional, the ability to read and write images in the Targa, TIFF, and Rendition formats. These formats are used extensively by Macintosh and IBM imaging professionals. Reading and writing each format can be performed via ARexx using ADPro's extensive ARexx interface. Targa formats 1, 2, 9, and 10 are supported as well as TIFF level 5.0X. \$90.00  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

### HAM-E

24-bit/256 register and 262144 simultaneous color video adaptor for any Amiga. Attaches externally to the Amiga between computer and standard monitor. Comes with comprehensive real-time paint software, sophisticated rendering software for producing images from virtually any Amiga image file. All software reads and writes CBM standard 24-bit iff files, imports any IFF file 2-32 colors, half-brite, PP HAM, DP HAM, 24-bit, RGB8, RGBN, and more. Source code for paint and render available on BBS (406) 367-ABBS, also all software free upgrades forever on BBS. ARexx compatible. 3MB recommended. \$299.95  
Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230, (800) TK-AMIGA

### ◆◆ Imagemaster

Extremely powerful 24-bit image processing, composition, paint, and analysis for the stock Amiga. Also available for Impulse FC24 board. Runs on any model. Requires 3MB of RAM. NTSC/PAL, AmigaDOS 1.3 and 2.0 compatible. \$199.95  
Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230, (800) TK-AMIGA

### The Art Department

24-bit plane image processing system for the Amiga. Using Loaders, TAD can read any image file format. Includes Loaders for IFF, Digi-View, Sculpt 4D, and Turbo-Silver. Offers 208 video modes including PAL and 4096 colors in hi-res. Super accurate digital scaling, color conversions, color separations, and other image processing functions. \$89.95  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

## ◆ ◆ ◆ TUTORIAL ◆ ◆ ◆

### Broadcast Titler 2 Font Enhancer

Convert any single color Amiga font to Broadcast Titler 2's four level anti-aliased format. The Font Enhancer eliminates the jagged edges found in normal Amiga fonts. Resulting fonts occupy up to five times less memory. Fonts can also be accurately resized to smaller sizes while preserving original detail. An entire family of fonts may be created from one Amiga font. \$169.95  
InnoVision Technology, 1933 Davis Street, San Leandro, CA 94577, (415) 638-8432

### VidZeem Volumes 1 and 2

Each VidZeem consists of a two-hour video tape and a two disk set. The two disks include backgrounds for titles and collages, digitized and hand-drawn brushes, ANIMs and ANIM brushes of people and animals, LED sign font, PalettePlay-a utility designed for manipulating colors in real time, and MBZ\_Crawl to move titles and brushes across the screen and over your background. The two-hour videotape includes information on how to use scaled palettes to create still and animated collages; how to add moving spotlights and realistic shadows to animations; remapping to combine images and create new effects; how to use anim fonts; anti-aliasing and resizing titles; reviews and demos of other DTV-related products; helpful DPaint tips. \$11.00 each or \$19.50 for both.  
MBZ, 6023 Kilgore Ave., Muncie, IN 47304, (317) 288-0009

## ◆ ◆ ◆ UTILITIES ◆ ◆ ◆

### Animated Action Disks

Two disks of animations. ANIMs format on Animated Intros, and ANIM brushes on Animated Spots. Wedding-type cycled motion scenes to add and edit for your video animations. DeluxePaint IV compatible. \$28.00  
CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

### ◆ Background Bits 24-Graduated Backdrops

Two-disks of 24-bit graduated backgrounds already processed in greens, blues, gold, in legal NTSC colors ready for overscan use in the Video Toaster, DCTV, and any other 24-bit card or program. Boxes on disk can have pictures inserted. Requires 1MB, Video Toaster or any other 24-bit program. \$28.00  
CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

### ◆ BitPiX—Series One

These 12 (4096+) color images of Sydney, Australia and surrounds are on a two-disk set and include location details. Digitized from photographic stereo pairs they are for use with your Haitex X-SPECS 3-D glasses. NTSC/PAL. Stereo or flat versions available—please specify. 1MB required, 2MB recommended; AmigaDOS 1.2 or 1.3. \$16.00  
Aztek Media Services, P.O. Box 886, Cannington, Perth, West Australia 6107, (011) 619-459-2079

### ◆ BitPiX—Series Two

These 12 (4096+) color images of Perth, West Australia and surrounds are on a two-disk set and include location details. Digitized from photographic stereo pairs they are for use with your Haitex X-SPECS 3-D glasses. NTSC/PAL. Stereo or



flat versions available—please specify. 1MB required, 2MB recommended; AmigaDOS 1.2 or 1.3. Available December 1991. \$16.00  
**Aztek Media Services, P.O. Box 886, Cannington, Perth, West Australia 6107, (011) 619-459-2079**

## ◆ Birds, Up Close (VGLD.005)

Four disks containing 42 images of birds and wild-fowl. Twenty-two images are in 352 x 480 32-color format and 20 images are in 704 x 480 hi-res 16-color format. All are specially prepared for video applications with no color zero and colors, are set for minimal chroma crawl and flicker. Meticulously retouched after conversion from 24-bit files produced from original photographic slides. Includes hawk, wrens, bluejays, cardinals, purple finch, evening grosbeak, woodpecker and more. \$39.95  
**Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295**

## Broadcast Backgrounds

Four-disk, 36-image collection of high and medium resolution graphics to be used as backgrounds with titling programs such as Broadcast Titler and TV\*Text Professional, and paint/animation programs such as DeluxePaint. These are IFF files which can be modified. The backgrounds provide a variety of effects such as brickface, wood, gradation, and 3-D perspectives. Also included is a slide show that will allow a quick look at each background. \$44.95  
**Computers, Etc., 4521-A Bee Ridge Road, Sarasota, FL 33583, (813) 377-1121**

## Broadcast Titler 2.0

InnoVision Technology introduces a major upgrade to its professional character generator. Broadcast Titler 2 has a new convenient keyboard/mouse driven interface, additional line and page transitions, and more on-line storage for standard Amiga and color fonts. Edit up to 600 pages of text and graphics. Display 16 colors per line of text, rather than Amiga's limit of 16 colors per high-resolution overscan page. Page and line transitions include ROLL, CRAWL, FLIPS, WIPES, SPIRALS, etc. Broadcast Titler 2 suits a wide range of professional video applications. Requires at least 512K chip RAM and 1MB fast RAM. \$389.95  
**InnoVision Technology, 1933 Davis Street, San Leandro, CA 94577, (415) 638-8432**

## Doug's Color Commander 2.0

A powerful screen utility that opens the door to shading and swapping colors in ways that have never been possible before, while greatly expanding the graphics capability of your Amiga. Includes screen grabbing and printing capabilities. Not copy protected. \$49.00  
**Seven Seas Software, P.O. Box 1451, Port Townsend, WA 98368, (206) 385-1956**

## Earth and Planets (VGLD.001)

Four disks containing 63 files of animations, drawings, and digitized images of Earth, the moon, other moons and planets in the solar system, and imaginary planets and moons. Includes two animations of Earth spinning in 704 x 480 4-color and 16-color, 32 digitized images and 19 drawn images in hi-res and interlace overscan, plus 10 'brush' images. Designed especially for video, this set includes a 'digital display' image viewer/video production utility. \$39.95  
**Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295**

## ◆ Galaxies and Other Worlds (VGLD.002)

Four disks containing 60 files of drawings and images of galaxies, nebulas and imaginary scenes and spacescapes of moons, planets and other worlds. Companion set to Earth and Planets images. Twenty-nine hi-res overscan (704 x 480) and 24 interlace overscan (352 x 480) images. Designed especially for video production, the set includes 'digital display'. \$39.95  
**Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295**

## Images of Hawaii

Twenty-nine scenes from Oahu, Maui, and Hawaii. Color images in non-interlaced HAM. Ideal for use with Multimedia presentations and desktop videos. 1.3 & 2.0 compatible. \$34.95  
**GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229**

## Images of Japan

Includes 15 scenes from Kamakura, Kyoto, and Nara. Color images in interlaced HAM. Ideal for use with multimedia presentations and desktop videos. 1.3 & 2.0 compatible. \$34.95  
**GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229**

## Interactor

An animation design system which combines the power of hypermedia with the excitement of desktop video to let you create interactive visual databases for free-association browsing, information retrieval, and education. Interactor turns your Amiga into a hypertextual desktop presentation environment which integrates graphics, sounds, and a text into an interactive, randomly-accessible hierarchy of information of your own design. Furthermore, Interactor is fast and easy to use with an innovative, intuitive interface built for productivity. \$79.00  
**Very Vivid, Inc, P.O. Box 127 Station B, Toronto, Canada M5T-2T3, (416) 686-7850**

## On-Line Studio

On-Line Studio is a three-disk set of Professional style video backgrounds and animation for use in titling, paint and animation programs. A valuable and time-saving tool to video production work. From the Amiga Professional Tutorial series. Requires 1MB 'Fat Agnus,' 1MB RAM. \$24.95  
**CP Productions, P.O. Box 103, St. Peters, PA 19470, (215) 462-2268**

## Photon Video Transport Controller

The link between graphics, animation, and video tapes. Controls external video tape frame-by-frame controllers like the Lyon-Lamb and Video Media's V-LAN systems. Designed for use with Photon Video's Cell Animator, the Transport controller will also work with other third-party software. Records 1-300,000 frames each time an image is displayed, resulting in a smooth animation sequence. Set the TC to edit short real-time Amiga animations into longer sequence; set in/out points via keyboard or mouse; create time-lapse using the Time Lapse utility. Requires external video controller interface. \$299.95  
**Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345**

## Photon Video: Edit Decision List Processor

Edit decision lists can save lots of time and money. Create your list off-line, then transfer them to an on-line editing system via the serial port, or an MS-DOS compatible floppy disk. Features 999 events per-file capacity, three tracks (one video, two audio), and lists are recalculated instantly every time a change is made. Works with 30-frame NTSC, 25-frame EBU (PAL), and 24-frame film modes. \$499.95  
**Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345**

## SuperPrompt

SuperPrompt is a high resolution variable scroll speed teleprompter. SuperPrompt's text editor can be used to quickly enter text for scrolling, or ASCII text files can be imported from Amiga word processors. Scroll text at 10 different speeds adjustable on-the-fly. Includes ten programmable director's prompt messages to flash cues on screen. \$599.95  
**InnoVision Technology, 1933 Davis Street, San Leandro, CA 94577, (415) 638-8432**

## System Integrator

System Integrator will RESET the Amiga upon detection of an error condition, lock up, or even a total system crash. It is a software/hardware combination that attaches externally to the Amiga (internally for A500). It was developed initially for Cablevision companies, video presentations, and interactive multimedia displays. It is a must for bulletin board systems, ray tracing, and other applications that require the Amiga to be left running unattended. System Integrator will have you up and running again in seconds, with no human

intervention. The software includes a toolkit to log errors, blank the display, and display a custom message-screen. \$199.00  
**Pro-Tronic Systems Ltd., 720 -6th Street, #227, New Westminster, B.C., Canada V3L 3C5, (604) 290-1631**

## ◆ The Educator Set:

### School-Sports, Maps, Political

Volume 11 and Volume 6 are grouped in this set for Educators that need maps and all sort of school scenes for Video yearbooks and classroom themes that can be used for a school video, five-disk set. Requires 1MB, and a paint or video program. Political disk also included. \$39.95  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

## VIDI-Mice

VIDI-Mice is a man-machine interface for the Amiga computer, for use in interactive hypermedia productions and performances. By emulating all mouse and keyboard functions, VIDI-Mice software allows you to control virtually any video, music, or paint programs from your video camera. (LIVE! frame grabber required.) \$85.00  
**Tensor Productions, 280 Mathilda Drive No.9, Goleta, CA 93117, (805) 685-2994**

## ◆ Video Backgrounds A (VGLD.003)

Four disks containing over 130 files with 31 backgrounds for video titling, including 3-D and embossed look tiles, embossed ridges, drapes, woodgrains and woodpanels, marble slab, fiber and more. Five backgrounds are 'shade me' files for DPaint III shade function. Also 97 magic palettes. All are 704 x 480 hi-res overscan. All V.G.L.D. sets are designed for video and include 'digital display' image viewer/video production utility. \$39.95  
**Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295**

## ◆ Video Backgrounds B (VGLD.004)

Four disks containing over 160 files, 32 hi-res overscan and two interlace overscan backgrounds prepared specially for video, including marble, drapes, burlap, carpet, pebble and many embossed tiles, ridge, diamonds and other shapes. Also special 'shade me' backgrounds and 127 magic palettes. Companion set for Video Backgrounds A. No color zero is used and backgrounds have unused palette colors for use in text and titling. \$39.95  
**Digital Designs Group, P.O. Box 593, Whiteville, NC 28472-0593, (919) 642-6295**

## Video Visions Vol. 1:

### The Titler V3.0; Backdrops-Fonts

Now includes five disks; four with backdrops and one with ColorFonts to start you titling. Colorfonts I added to help Titles and Backdrops be integrated for a full starter kit on Video Titling. Scenes are extended to titler overscan page size 704 x 480. \$30.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

## Video Visions Vol. 3:

### The 2D Animator V1.0; Characters

Two disks. Images and parts custom-made for 2D Pageflip programs with a focus on Characters-Creations subjects. Features: many motion parts for animations, butterfly animation, Rosie Rabbit animation, horse race, fence post looping background, Character poses: boyrun, duck snoop, duck walk, runners, eagle land, eagle fly, golfer, tiger joyful, woman leaping, HAM desert backdrop, horse gallop, horse prance, and more! Over 30 files hi-res and HAM. 672 x 444 IFF format page \$25.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

## Video Visions Vol. 4:

### The Videographer V2.0; Weddings

Three disks. Images and parts custom-made for Wedding/Occasions subjects. IFF Compressed Overscan for video programs. Features: borders, flowers, love, bouquets, bride, frames, scroll, lace, and more! Over 30 files hi-res overscan. Same as Videographer 1.0, only pages are extended to broadcast titler overscan 704 x 480 IFF format. \$30.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

## Video Visions Vol. 5: Broadcast Sports

Two disks. Images and parts custom made for Business/Broadcast subjects. IFF Compressed Overscan for video programs. Features: Chroma

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# Desktop Video

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AC's Back Issue Index
Vendor/Product Registration
User's Groups
Index of Advertisers
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Last Minute Additions

Slide overscan screens, industry, cityscape, Celtic animation, baseball/football scoreboards, 20th Century Fox logo, and more! Over 40 files hi-res overscan, 704 x 480 IFF format pages. \$25.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions Vol. 6: The Educator V2.0; Maps**  
 Four disks. Images and parts custom-made for educators with a focus on history/geography subjects. Features maps, historical sites around world: Eiffel Tower, Spanish matoro, and India caravan. All maps worldwide, and U.S. maps state-wide, with over 100 files and full 16-color hi-res. \$30.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions Vol. 7: The Advertiser: Products and Symbols**  
 Two disks. Images and parts custom-made for advertisers with a focus on products/symbols subjects. Features industry TV commercial pictorials. All products like 35mm cameras, video camera, disk drive, Visa/MasterCard, medical, Pepsi, Yellow Pages, and more! Over 50 files of 16-color hi-res. \$25.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions Volume 8: The Videomaker; Ceremony-Anniversary**  
 The Videomaker contains anniversary ceremonies type data. Stained glass effects to religious type data make this a perfect companion to Volume 4: The Videographer includes wedding ceremonial scenes and others. Three disks of data. \$30.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions: MultiVisions**  
 Can load and run pictures, objects, and animations prior to dumping to video tape. It can be part of the package of any Video Visions data disk set or purchased separately, \$25.00 alone (\$20.00 more for modifiable CanDo version); free with purchase of The Studio Set. \$25.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions: The Animator Set; AnimAids**  
 Includes previous Video Visions clip art bundled in a four-volume set of six disks. Includes Volume 2: The 3D-Animator (Sculpt 3D version standard), Volume 3: The 2D-Animator, Volume 10: The Illustrator. Geared toward Animation users 2-D or 3-D. Educational in scope. Has numerous aides for the animator, as well as Animated Intros and Animated Spots. \$49.95  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions: The Mixed Set**  
 Includes all previous video vision clip art bundled in either three-, four- and five-volume sets. Volumes of the future can be chosen to complete a package to suit any videographer. Geared toward the mix & match individual. Conversions available for any set program requirement a user may request. Three volumes, \$69.95; four volumes, \$79.95; five volumes, \$89.95.  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions: The Studio Set**  
 Contains all of the Vision Data packaged in one assorted collection. Video Volumes one to ten and beyond. Liberal upgrade to future volumes for one year is also included in the purchase of this set, in the form of a subscription. MultiVisions also included in this complete set of over 36 disks. \$229.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions: The Titler Set; Titler Aids**  
 Includes previous Video Visions video clip art bundled in a four-volume set with 14 disks. Includes Volume 1-The Titler, Volume 5-The Broadcaster, and Volume 7-The Advertiser, Volume 9-The Video-Musician. Geared toward Titler users that use display videose software. Has three color fonts disks included. \$89.95  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions: The Wedding Set**  
 Includes wedding data, Bar Mitzvah, and ceremony art consisting of six disks of data in overscan hi-res format. Volume 8 and Volume 4 are included. For another \$20.00 Animated Action disks can be included, plus a religious disk in the Wedding Set Plus version \$49.95  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions: Volume 10-The Illustrator; Entertainment-Game Scenes**  
 Scenes that have illustrative backgrounds featuring game scenes and entertainment. Use the different scenes to show country, city, or interior, exterior of buildings for constructing a scene with objects or characters, or even titles. \$30.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions: Volume 11-The Reporter; School-Sports**  
 School scenes and sports geared to school videos are featured. Cheerleaders, classrooms, and scenery for schools are prevalent in this volume. \$25.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

◆ **Video Visions: Volume 12-The Producer: Religious-Political**  
 Religious and political scenes highlight this two-disk volume of art portraying crosses, churches, ceremonies of religious rites, and political themes typical of Government, Courtroom law, and other types of legal video scenes. Requires 1MB, and a paint or video program. \$25.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

◆ **Video Visions: Volume 13-Slidestream Slide Templates**  
 Two disks of business type slide frames ready-made for Professional Page and Pagestream having design setups useful for a slide presentation. Clips are also provided to import golden bars, etc. to have users build a colorful slide show with many aids in the production of pies, chart, diagrams, and word slides. Requires 1MB, and Pagestream or Pro Page. \$28.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**Video Visions: Volume 9-The Video-Musician; Jingle 86-Rock scenes**  
 Rock scenes and Animated Jingle Backdrops with a musical flair are featured on this psychedelic volume. Curtain opening, backdrops that move are featured on this volume for music video typescenes and object-musical instruments. \$30.00  
**CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224**

**VideoPAGE**  
 Simple-to-use interface, and video titler. Use over 100 transitions to manipulate titling effects. Best smooth scrolling. Up to six fonts at one time. Hi-res, 16-color system. Includes extra font diskettes. \$99.95, one-font diskette; \$149.95, four-font diskettes.  
**Impulse, Inc., 6870 Shingle Creek Parkway #112, Minneapolis, MN 55430, (612) 566-0221**

## ◆ ◆ ◆ MISCELLANEOUS ◆ ◆ ◆

**Eye Play 2**  
 Player or computer builds computer art from three dozen graphic routines. With 640 x 400 and 320 x 200 resolution \$19.95  
**Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583**

**Lasershow Designer 100**  
 Produces professional quality laser light shows. Works like a paint program to create, edit, animate, and display projected laser graphics and beamworks. Requires standard laser scanner projector (available from Pangolin). AmigaDOS 2.0 compatible. \$795.00  
**Pangolin Laser Software, 933 North Kenmore St. Ste. 317-A, Arlington, VA 22201, (703) 527-4880**

● **Lasershow Designer 400**  
 The most advanced laser display software available for any computer. Create, edit, animate and display true 3-D, full color laser graphics. Requires color laser projector, QuadMod interface card (available from Pangolin). AmigaDOS 2.0 compatible. \$6500.00  
**Pangolin Laser Software, 933 North Kenmore St. Ste. 317-A, Arlington, VA 22201, (703) 527-4880**

**Mondo Stereo**  
 Create dynamic stereo 3-D images and gain full understanding of how stereo works. Paint stereoscopic depth into ANY Amiga image! Enter a totally interactive 3-D workspace! Wear your 3-D glasses while you work, so that you get instant stereo 3-D feedback! Complete manual (with extensive illustrations) included. Uses either X-SPECS 3-D (alternating liquid-crystal) or anaglyphic (red/blue) viewing systems. Mondo stereo anaglyph

glasses (with durable plastic frames) included! Also includes the No-Spex Free Viewing Aid. Makes free viewing side-by-side 3-D pairs easy. (Free viewing is an advanced stereo technique.) Has settings for Sculpt/Animate 3-D, Forms in Flight II, and Turbo Silver. Under \$100.00  
**A-Squared Distributions, Inc., 6114 LaSalle Ave., Oakland, CA 94611, (415) 339-0339**

**RGB Single Frame Controller**  
 All hardware and software needed to control a video deck for single-frame and time-lapse animation. Can easily be expanded to a full Blown A/B Roll or cuts-only editor (AmiLink). Interfaces available for virtually all frame-accurate videotape recorders. Can be interfaced with AmigaVision to control virtually any professional grade videotape recorder. \$995.00  
**RGB Computer & Video, 4152 Blue Herron Blvd. W., Ste. 118, Riviera Beach, FL 33404, (407) 844-3348**

**RTV**  
 Raster-to-vector conversion program. Takes standard IFF pictures—drawn, painted, or digitized—and instantly turns them into projected laser graphics. RTV can be used by itself or as input for the Lasershow Designer programs. Requires a standard laser scanner projector. \$495.00  
**Pangolin Laser Software, 933 North Kenmore St. Ste. 317-A, Arlington, VA 22201, (703) 527-4880**

◆ **Transitions Vol. I**  
 Fairy-tale Wedding Opener. One-six-part wedding animation done by painting each frame by hand, which took over 430 hours to create. Over 5.5MB long. This package also contains six more additional animations to really jazz up your wedding videos. All animations are self-running with a variable speed control. Load and press one key—that's all. Requires 1.5MB of RAM and one drive. \$149.99  
**InSync, 410 Maple Ave., Westbury, NY 11590, (516) 574-0225**

◆ **Transitions Vol. II**  
 The Fireworks Construction Kit was designed to provide you with a means to create professional looking fireworks displays for your videos. Imagine your titles or announcements with your own custom firework display. 36 ANIM brushes and two animations. \$49.99  
**InSync, 410 Maple Ave., Westbury, NY 11590, (516) 574-0225**

◆ **Transitions Vol. III**  
 Title Fonts & Graphics Kit. With this kit you will be able to make great-looking graphic titles. A graphic title is a title that mixes both graphics and letters to create a title. This kit includes: two fonts—hi-res and anti-aliased, 25 keyboard graphics, two sparkel animations, 11 pre-built titles on a background, and six hi-res backgrounds that are cyclable. Requires 1 drive, 1MB, DeluxePaint or compatible program. \$49.99  
**InSync, 410 Maple Ave., Westbury, NY 11590, (516) 574-0225**

◆ **Transitions Vol. IV**  
 Honeymoon Animation and Titling Package. This kit includes 28 pre-made location animations to append to the 'Honeymoon In' introduction. A custom keyboard font can be used to make other locations. Includes are 28 title pages, that can also be imported into other paint packages. These animations will really highlight your clients' honey-moon. \$49.99  
**InSync, 410 Maple Ave., Westbury, NY 11590, (516) 574-0225**

◆ **Transitions Vol. V**  
 Special Occasion Animations I. In this first installment of special occasion animations we have created the perfect ice-breakers and attention-getters, from animated dancers to horn-blowing pages. Cupid flies around and shoots an arrow at a picture of the bride and groom, and then the scene explodes into a shower of hearts. Many more. Requires one drive, and 1MB RAM. \$49.99  
**InSync, 410 Maple Ave., Westbury, NY 11590, (516) 574-0225**

◆ **Transitions Vol. VI**  
 Outer Space Construction Kit. Star fields galore! ANIM brushes of comets, planets, and stars. Build your own animations of space with this kit. This kit can be used for many purposes. Make animations, and put them on tape stock for future use. Requires 1 drive, 1MB, DeluxePaint or compatible program. \$49.99  
**InSync, 410 Maple Ave., Westbury, NY 11590, (516) 574-0225**



# Word Processing

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## ❖ ❖ WORD PROCESSING ❖ ❖ GENERAL

### KindWords™ 2.0

Multi-featured word processor with fully-integrated graphics environment to enable users to crop and manipulate image size in 16 colors within the word processing application. Offers the acclaimed Proximity/Merriam Webster Dictionary featuring a 100,000 word spelling corrector, and the Proximity/Webster Electronic Thesaurus that accepts over 40,000 words and offers 470,000 synonyms. The thesaurus helps users find the right word by presenting a list of meanings for each query, along with synonyms, antonyms, related words, and contrasted words. \$99.95

Disc Company, The, 11040 Santa Monica Blvd, Ste. 300, Los Angeles, CA 90025, (213) 478-6767

### LPD Writer

Work on several projects at once with multiple windows. WYSIWYG display, zoom feature, suspend, multiple-file editing, short-cut commands, on-line help, footers, formatting, and text enhancements. \$59.95

Digital Solutions, Inc., P.O. Box 345 Station A, Willowdale, Ontario, Canada M2N 5S9, (416) 731-8775

### Personal Write

Personal Write is an extremely fast word processor which is packed with unique capabilities. It features a rich set of powerful commands which let you read, edit, store, convert, compress, encrypt and print text. The user interface is very friendly and flexible. Eighty menus and hundreds of gadgets let you tailor the program to fit every need, while the default settings let the inexperienced user start working with the program right away. \$49.95

Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### ProWrite 3.2

Full-featured word processor in a very intuitive and easy-to-use environment. Features include: PostScript capable output incorporated directly into the program, the ability to import and export Professional Page text files, significant enhancements to the user interface, multiple columns, ability to import graphics, manual text wrap around graphics, voice playback, acceptance of any Amiga font, and macros, when used with ARexx. In addition, ProWrite 3.2 contains features found in most high-quality word processors; 100,000-word spell checker, thesaurus, cut, copy, paste, print merge, headers and footers. Requires 1MB of RAM and Kickstart 1.2 or later. £129.95 including VAT. \$175.00

New Horizons Software, Inc., 206 Wild Basin Road, Ste. 109, Austin, TX 78746, (512) 328-6650

Please see display ad inside back cover.

### Protext

Protext is a fully integrated word processor which combines the features of a word processor, text editor, and a command line interpreter—all in one package. New 5.0 version supports multiple fonts, menus, windows. \$199.95

MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

### QuickWrite

An entry-level word processor. QuickWrite has an advanced mail merge facility, a spelling checker with a 50,000 word dictionary, macros, an ARexx port and automatically updated date and time markers. QuickWrite also provides complete control

over printing, including support for custom paper sizes and the ability to print in Pica, Elite, or condensed Pitch. QuickWrite is able to export and import text files. Requires 512K of memory and Kickstart 1.2 or later. £49.95 including VAT. \$75.00

New Horizons Software, Inc., 206 Wild Basin Road, Ste. 109, Austin, TX 78746, (512) 328-6650

Please see display ad inside back cover.

### Rashumon DTP

Rashumon DTP has all the features of Rashumon GR plus full graphic support. You can add IFF brushes to the document, move, copy, paste, and delete them. Supports NTSC and PAL (Auto Adjust), up to four keymaps can be used simultaneously. 1MB required, 1.5MB suggested. Color printer recommended. \$220.00

HarmonySoft, 69 Jabotinsky Street, Givatayim, Israel 53319, (011) 972-331-5967

### Rashumon GR

Rashumon is a multi-lingual graphic word processor which contains English, Hebrew, Arabic and Russian. Rashumon supports multiple fonts, including proportional spacing. It also has fast scrolling and editing speed. Rashumon is user friendly having a graphic intuitive user interface. It can have up to eight colors in one document which can be selected from 4096 options by Palette Requester. This word processor also has full math support, a Data Base and a Save IFF option. It can also read text for you. Supports NTSC and PAL (Auto Adjust), up to four keymaps can be used simultaneously. 512K required, 1MB suggested. Color printer recommended. \$150.00

HarmonySoft, 69 Jabotinsky Street, Givatayim, Israel 53319, (011) 972-331-5967

### Scribble! Platinum Edition

Incorporates all the features of The Works! Word processing module. Includes 104,000 word spell checker with scientific and technical supplements, a 470,000-word thesaurus. Also prints IFF graphics. \$99.95

Micro-Systems Software, 12798 Forest Hill Blvd. Ste. 202, West Palm Beach, FL 33414, (407) 790-0772

### Textcraft Plus

Versatile word processing program features pull-down menus with full editing capabilities: choice of font style, formatting controls, automatic headers, footers, print merge, and on-line help. Includes nine ready-made forms for writing business letters, menus, resumes, reports, etc. Ideal multitasking program for any area of business. \$99.95

Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### Thinker 2.1

A sophisticated hypertext system that combines word processing and outline processing with Hypertext. Its editing, outline and database capabilities make it an excellent tool for creative writing, on-line documentation, planning and design, small business databases, and computer-aided education. Documents containing multi-styled and multi-colored text and images link to other documents, pictures, and applications. Click on a word or phrase and check a reference, view a picture, or launch a Workbench or CLI application and control it with ARexx. \$80.00

Poor Person Software, 3721 Starr King Circle, Palo Alto, CA 94306, (415) 493-7234

### TransWrite 2.0

A major replacement for Transcript. TransWrite 2.0 has a new look, with international-style requesters and user-configurable custom screens in addition to the normal workbench mode. It now has document analysis, and new mark and type text editing. Improvements include greater control over find and replace, spell checking as you type, automatic control over widows and orphans, full formatting control including headers, footers, and page numbering. A new utility, RecoverTW, can usually recover a document even if another program crashes and causes a system reboot. Also added is mail-merge and automatic index creation. \$69.95

Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### WordPerfect 4.1

A high-end word processor offering on-screen snaking and parallel columns (up to 24 across a page), a 115,000-word speller, an on-line thesaurus, macros, math, merge, and support for more than 300 printers. Features include indexing, table of contents, paragraph and outline numbering, footnotes and endnotes. It allows you to print an entire document, a page, a range of pages, or even a block of text. Comes with on-line help, extensive documentation, toll-free customer support and is available for the A500, 1000, 2000, and 3000. Requires 512K, Kickstart 1.2, and one disk drive; two drives or a hard disk recommended. Compatible with AmigaDOS 1.3 or 2.0. \$295 Canadian. \$249.00

WordPerfect Corporation, 1555 N. Technology Way, Orem, UT 84057, (800) 451-5151

### excellence! v2

Besides all the basic features, excellence! v2 features Index and Table of Content generation, Grammar and Style Checker, Footnotes, and built-in PostScript support. Also includes 140,000 word Dictionary, four types of printer output (NLQ, Draft, Graphic, and PostScript), AmigaDOS 2.0 compatible, reads Scribble!, IFF, and ASCII text files, WYSIWYG editing and page preview, and much more. 1MB RAM required. \$199.95

Micro-Systems Software, 12798 Forest Hill Blvd. Ste. 202, West Palm Beach, FL 33414, (407) 790-0772

## ❖ ❖ ❖ FONTS ❖ ❖ ❖

### Midnight Fonts WP

Original fonts for various applications. This is the word processing set of the Midnight Fonts series. \$29.95

Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449

### Personal Fonts Maker

Personal Fonts Maker is an excellent, comprehensive tool for designing and processing both printer and screen fonts. Standard Amiga fonts and fonts created with Personal Fonts Maker can be transferred to a printer's memory and printed at maximum quality and speed. This program offers you complete control over printed fonts. \$99.95

Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### SuperFont Sampler 3.0

On a budget? Want a good collection of word processing/paint fonts, but don't need really big ones, or color ones? This version of SuperFont Sampler includes small and medium fonts from Professional Font Library. Great starter package with no compromise in quality. Three diskettes, utilities, two manuals. Over 60 font files, about 25 typefaces from seven to 34 lines high. 512K RAM. \$44.95

CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342

## ❖ ❖ INTEGRATED SYSTEMS ❖ ❖

### Pen Pal

Color WYSIWYG word processor, built-in database, form generator, with great user interface. Multiple fonts. Line/box/border drawing. Imports, resizes, crops any IFF or HAM pictures. Spelling checker with 100,000-word dictionary. The built-in database can be used for customer lists, student files, accounting, and more. Also sorts, selects, and merges with your documents. Requires 1MB RAM, two disk drives or hard disk, Preferences-supported printer. \$149.95

SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076, (800) 247-8330

### Professional Calc

This professional business spreadsheet and graphics package offers powerful features and an intuitive user interface. It features over 125 statistical, trigonometric, financial and user definable functions; it also supports ARexx. For fast access to commonly-used functions, the user interface features a graphical control panel. Add multiple fonts

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# Word Processing

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and colors, define style tags, generate 2-D and 3-D bar graphs, pie charts, line, column x-y scatter, and area graphs. Take advantage of the onscreen color dithering and special text effects such as embossed, extrude, and drop shadow. Pro Calc also imports several other business software packages and saves charts and graphs as IFF bitmaps, Professional Draw clips, Aegis Draw Plus clips, and EPS files. \$395.00  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## ◆◆◆ SPELL CHECKERS ◆◆◆

**Foreign Language Dictionaries for ProWrite**  
German, French, and Swedish dictionaries for use with ProWrite graphic word processor. The German dictionary contains 85,000 words, while the French version contains 130,000 words, and the Swedish version contains 150,000 words. \$35.00 each.  
New Horizons Software, Inc., 206 Wild Basin Road, Ste. 109, Austin, TX 78746, (512) 328-6650  
Please see display ad inside back cover.

**Nancy-A Spelling Checker**  
Spelling Checker with corrector is largest computer dictionary available. Over 200,000 words. Learns your mistakes and corrects them automatically. Remembers corrections and typos between executions. Works with all text editors, word processors, database and spreadsheets producing ASCII files. Skips and remembers intentionally misspelled words. Suggests and corrects spellings. Supports Amiga speech, if so desired. Works interactively or unattended. Automatically backs up original files. Dictionary may be enhanced by user. \$16.95  
Computer Club Co., The, P.O. Box 221194, Chantilly, VA 22022, (703) 968-7588

**Promise**  
A 95,000-word spell checker with spell help, punctuation. \$49.99  
Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620

## Proper Grammar

Proper Grammar utilizes the Houghton Mifflin CorrectText Grammar Correction System, a powerful expert system that uses context-sensitive rules of grammar to analyze writing and to detect and correct errors in syntax, usage, punctuation, spelling, and style. It is the first and only interactive language-aid system on the Amiga that corrects documents by identifying the grammatical function and relationships among words. It detects 95% of all writing errors. Use with your wordprocessor. Open, check, edit, and save WordPerfect, ProWrite, QuickWrite, Pen Pal, excellence!, TextCraft Plus, KindWords, TransWrite, Scribble!, and ASCII files. \$99.95  
SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076, (800) 247-8330

## ◆◆◆ TEXT EDITORS ◆◆◆

### Hangul-Alpha

Korean language text editor. Can print Korean text (Hangul) and English on the same screen. Saves text files in 16-bit KSC-5601 format or as IFF screens to be used in paint programs. Includes drivers for laser and dot-matrix printers. \$79.95  
Mesa Graphics, 909 East 49 1/2 St., Austin, TX 78751, (512) 452-2441

### TextEd

Easy-to-use, fast text editor. \$39.95  
Microsmiths, Inc., P.O. Box 561, Cambridge, MA 02140, (617) 864-8595

### TextEd Plus

Text editor plus FastFonts, FunKeys, ARP, ARexx, and BlitzDisk. \$79.95  
Microsmiths, Inc., P.O. Box 561, Cambridge, MA 02140, (617) 864-8595

### disED

A small, fast, easy-to-use text editor designed for programmers, authors, and others who do not require a WYSIWYG display. Coded entirely in optimized 68000 assembly. All the features you'd expect to find in a good editor plus mouse/menu support, macro facility, printer spooling, and the ability to rebind the command keys to your prefer-

ence or to emulate other editors. AmigaDOS 2.0 compatible, ARexx capable. Requires 512K. \$25.00  
dissidents, 730 Dawes Ave., Utica, NY 13502, (315) 797-0343

## ◆◆◆ UTILITIES ◆◆◆

### ProScript

Translates files created with ProWrite into PostScript. Files can be printed on a PostScript-compatible printer or saved as a file to be printed later. Other features allow the user to reduce or enlarge the printout, choose the paper size, mailmerge documents, and control the number of gray shades used for graphics. \$49.95  
New Horizons Software, Inc., 206 Wild Basin Road, Ste. 109, Austin, TX 78746, (512) 328-6650  
Please see display ad inside back cover.

### Reason

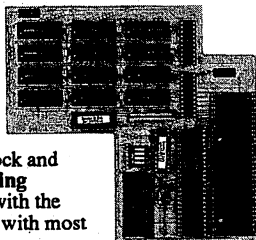
Analyzes writing style and readability, proofreads spelling, diction, punctuation, and then suggests improvements. \$395.00  
Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620

### WordPerfect 4.1 Maintenance Update

This update allows WordPerfect users to access files through a standard Amiga file requester system. This new file requester system provides powerful file management capabilities each time a file is saved or retrieved. WordPerfect users familiar with the program's original file requester can still access files by typing the path and name of the file. The update also allows WordPerfect users to import WordPerfect 4.2 PC files directly into WordPerfect for the Amiga, making it easier to transfer WordPerfect files between the Amiga and other hardware platforms. Improvements have been made to the List Files and Timed Back-Up features in WordPerfect as well as to the Spell Checker. The update also supports automatic edit buffer sizing. The WordPerfect Maintenance Update comes on three disks, and those users with problems in an earlier version who reported it to WPCorp's Amiga Customer Support Department are entitled to receive this update at no charge. \$12.50  
WordPerfect Corporation, 1555 N. Technology Way, Orem, UT 84057, (800) 451-5151

## NEW PRICE Insider II™ 1.5 Meg in the A1000

From the maker of the first internal Ram board for the Amiga 1000, the original Insider™ by DKB Software. Allows A1000 owners to add up to 1.5 Meg of Fast Ram internally. User expandable in 512K increments using 256K x 4 Drams. Includes battery backed clock calendar. Comes with software for the clock and testing ram. Simple installation, no soldering required. The Insider II™ is compatible with the KwikStart™ Rom board. Also compatible with most processor accelerators. Retail Price \$ 199.95 w/ØK



## KwikStart II™ V1.3 and V2.0

Allows A1000 owners to install V1.3 and V2.0 Kickstart™ Roms and switch between them. Upgrade to the latest operating system and still be compatible with software that requires Kickstart™ V1.3. Retail Price \$ 99.95 w/o Roms



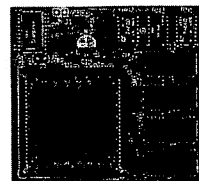
## MultiStart II™ A500 & A2000

Allows A500 and A2000 owners to install Kickstart V2.0 and V1.3 Roms and switch between them with the keyboard. Can also install a third Rom. Lets you stay compatible with your software. No external wires or switches required. Retail Price \$ 99.95 w/o Roms



## Increase Your Graphics Abilities MegAChip 2000/500™ 2 Megabytes of Chip Ram for the Amiga A2000 and the A500

If you use your Amiga® for Desktop Video, 3D Rendering & Animation, Multimedia or Desktop Publishing - Then you need the MegAChip 2000™. Doubles the amount of memory accessible to the custom chips. Uses the 2 Megabyte Agnus that's in the Amiga® A3000. Greatly enhances Graphics capabilities. Fully compatible with Workbench 1.2, 1.3, 2.0, and the ECS Denise chip. Fully compatible with the Video Toaster and other genlocks and framebuffers. Fully compatible with GVP's and Commodore's 68030 accelerators. Why upgrade to 1Meg of Chip Ram when you can have 2Meg of Chip Ram like the A3000?



Retail Price \$ 299.95  
w/Memory w/o 2Meg Agnus

## Protect Your HardDrive SecureKey™ Access Control System For The A2000 & A3000

Do you need to keep your system safe from unauthorized use? Want to make sure that no one can delete files from your harddrive or steal your work? Then you need the SecureKey™, a hardware security device that installs in any A2000 or A3000. The SecureKey™ allows you to have one access code for your Amiga®. The SecureKey™ will not allow access to your Amiga® without the right security code, period. You can't boot off of a floppy or bypass it in any manner. This means that if your system has files such as animations, documents, presentations, C-code, or any type of confidential information, you can be assured that the files on your harddrive are safe. Keep your Amiga® safe from those that may otherwise unknowingly destroy your information. Requires Kickstart™ V1.3 or above. The SecureKey™ is fully compatible with Kickstart™ V2.0.

**DKB Software**  
50240 W. Pontiac Tr.  
Wixom, MI 48393  
Sales (313) 960-8750  
Fax (313) 960-8752

Contact your local dealer or call for more information. Retail Price \$ 124.95

MegAChip 2000, BatDisk, Insider II, KwikStart II and MultiStart II are trademarks of DKB Software. Amiga is a registered trademark of Commodore-Amiga, Inc. Workbench and Kickstart are trademarks of Commodore-Amiga, Inc.

Circle 106 on Reader Service card.



# Desktop Publishing

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## ◆ DESKTOP PUBLISHING ◆ GENERAL

### AmigaTeX

Sophisticated typesetting software. Set of 14 disks with full TeX functionality, AREXX compatibility. Fully supports IFF and PostScript graphics and PostScript fonts. Includes TeX, preview, iniTeX, metafont, inifm LaTeX, SHITEX, and BibTeX. Supports PostScript fonts and graphics, and IFF/ILBM graphics. Over 1500 previewer fonts. Free demo disk. \$200.00  
Radical Eye Software, P. O. Box 2081, Stanford, CA 94309, (415) 322-6442

### City Desk 2.01

Create great looking newsletters, brochures, flyers, resumes, and more. Import text from most Amiga word processors and graphics from any IFF paint program, or create the text and graphics completely from within City Desk. Features include no copy protection, automatic kerning in PostScript, multiple pages on screen, text flow around irregular graphics. Supports 24 pin printer, HP Laserjet and PostScript. Also free newsletters and technical support! Version 2.01 offers support for C Ltd's Laser Express and PAL. \$129.95  
MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818

### Comic Setter

A complete comic generator for the Amiga. Bitmap and structured graphics, layering tools, automatic text balloon generation. Includes clip art, fonts. Prints in B&W or color. \$99.00  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### DeluxePrint II v1.1

DeluxePrint II version 1.1 is a personal creativity program for producing and printing a variety of messages for use in the office, home or school. DeluxePrint II makes the creation of practical printouts quick and easy. It contains seven predesigned formats including signs, greeting cards, banners, letterhead, calendars, four-panel signs, and labels. The program also includes over 150 multi-colored graphics and borders, and a variety of standard Amiga and custom fonts. DeluxePrint II provides full control over every design, by allowing users to replicate, move, resize, flip, and rotate their text and graphics at will, and by providing a full-featured graphics editor for creating their own clip-art or customized graphics. In addition, DeluxePrint II can import DeluxePaint or other compatible programs to be used as background images, and supports the growing library of fonts for the Amiga. Upgrades for the DeluxePrint II 1.0 are available to customers who send in both their art and program disks to P.O. Box 7578, San Mateo, CA. 94403-7578. \$79.95  
Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

### HotLinks

HotLinks takes a data file-text or graphics-and saves it in an IFF HotLink format. A program conferring to HotLinks can 'publish' files to the HotLinks library and another conferring program can 'subscribe' to that file. HotLinks is a stand-alone product which will be sold by Soft Logik and includes HotLinks, HotLinks Library, BME-a Bit-Map Editor, and PageLiner-a fast text editor. It will come in two product forms, a single-user form, and a networkable form.  
Soft Logik Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

### PageStream 2.1

Professional desktop publishing for the Amiga. PageStream is capable of supporting PostScript, non-PostScript, laser, dot matrix, and inkjet printers. Our outline font technology is complete with Compugraphic's hinted format, and Adobe Type 1 format. In addition, font support includes purchased Gold Disk's Compugraphic fonts and fonts from Adobe and others. PageStream also has typographical features including kerning, tagging, hyphenation, and variable x and y point sizes. In addition, PageStream has graphic features such as importing ProDraw Clips, DR2D, and IFF pictures. Features also include the ability to draw bezier curves, edit polygons, and polylines, and create your own freehand drawings. Requires 1MB of memory; 1.5MB recommended. Upgrades from 1.82 and previous are \$100. New manual and a quick reference manual are included. \$299.95  
Soft Logik Corporation, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

### Pagesetter III

Pagesetter III is designed to provide a complete text and graphics creation and layout system. The package includes a full-featured page layout program, a word processor and spell checker and a color paint program. Also included is a selection of high resolution, structured clip art. New output capabilities include PostScript compatibility on color printing of bitmaps and clip art. Runs on any Amiga, and is Workbench 2.0 compatible. \$129.95  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### Pelican Press

Pelican Press lets you create giant posters, colorful banners, flyers, newsletters, cards, calendars, wrapping paper and more. Includes a full-featured paint program allowing you to create your own art or customize ours. Print in color or black and white. Print in a variety of sizes, from miniature to monumental. Amiga 500,1000,2000 series,3000. Requires 512K, 1MB rec. \$99.95  
Pelican Software, A Division of Queue Inc., 338 Commerce Drive, Fairfield, CT 06430, (203) 335-2224

### ◆ Professional Page 2.1

Professional Page 2.1 is versatile, easy-to-use, page layout software. It incorporates the latest AGFA Compugraphics Bullet font scaling technology, with speed increases of up to 100% over version 2.0. Text manipulation is easy with style tagging. Define an unlimited number of style tags, control font, style, size, leading, tracking, baseline shift, justification, kerning, hyphenation, and color. Pantone Matching System support allows users to specify any of the Pantone standardized colors. It features improved support for all dot matrix printers, including Hewlett Packard DeskJet and LaserJet printers. Landscape printing is now supported, and adjustable page offset controls allows for precise page positioning. There is a new interactive help disk that provides tips and tricks for such topics as installation, using style tags, importing bitmaps and Professional Draw clips, using compugraphic

fonts, output page specs, Pantone colors, and producing color separations. A video tutorial is included. Will run on any Amiga with at least 2MB of RAM and is Workbench 2.0 compatible. \$395.00  
Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### ◆ RaceTrace

RaceTrace is a sophisticated, high speed program that automatically detects the vectors of bitmapped images either in monochrome or color. RaceTrace is a program that allows you to transform bitmapped pictures into vector oriented formats. Load a picture from disk, vectorize it, and edit it to suit your needs. Then save it to disk, choosing from a variety of formats. It also converts the original color of the bitmap to the desired vector format. Save the result to disk in any of the following formats: Sculpt, RaceTrace format, HPGL, Postscript, Digiwords 3D, Professional Draw clip, Real 3D polygons, and Real 3D polyhedrons. Distributed by Programs Plus & Video, 544 Queen St., Chatham, Ontario, Canada N7M 2J6, (519) 436-0988. \$199.00  
Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooit, The Netherlands, (011) 312-0691-1914

### Saxon Publisher V1.2

State of the art DTP software incorporating numerous advanced functions not available anywhere else. Major features include full dot-matrix support, direct support for ProWrite and Excellence, patent pending APEX™ color separation technology, true WYSIWYG PostScript preview, PostScript compression routines for faster output, full support for all PostScript downloadable fonts as well as Compugraphic and Adobe Type 1 fonts from Soft-Logik's PageStream, and Gold Disk's Professional Page. Requires minimum 1MB and two disk drives. \$395.00  
Saxon Industries, 14 Rockcross Gardens, Nepean Ontario, Canada K2G 5A8, (613) 228-8043

### SaxonScript Professional

A powerful PostScript Interpreter designed to provide users with a host of indispensable PostScript utilities. Features include the support of all standard Preferences printers, including color printers; the implementation of all PostScript operators; a standard set of fonts matching those commonly found on PostScript printers; supports for all downloadable PostScript fonts; true virtual memory and delayed printing options; PostScript compression routines plus so much more! Requires 512K of memory. \$130.00  
Saxon Industries, 14 Rockcross Gardens, Nepean Ontario, Canada K2G 5A8, (613) 228-8043

## ◆ ◆ ◆ DRAWING ◆ ◆ ◆ PROGRAMS

### DesignWorks

Structured drawing for the Amiga. DesignWorks has fast redrawing and an intuitive interface which makes it very easy to use. Features include 'smooth' (Bezier) curves, multiple drawing layers, flexible text handling using any Amiga font or font size, user definable multi-color patterns, and support for drawings up to 100 by 100 inches in size. High quality printing options let you produce near-PostScript quality results using dot-matrix printers. Includes AREXX port, with a complete macro language. DesignWorks tracks full 12-bit color (4096 colors) and automatically adapts to any screen color palette. Can import and export as IFF pictures. Compatible with all graphics capable program on the Amiga. Requires 512K of memory and Kickstart 1.2 or later. £79.95 including VAT. \$125.00  
New Horizons Software, Inc., 206 Wild Basin Road, Ste. 109, Austin, TX 78746, (512) 328-6650  
Please see inside back cover.

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## Draw4D

3-D graphics and animation. Real time direct window into 3-D space. Elegant wide angle, zoom, rotation controls. Full mouse, menu, gadget, keyboard support. Full multitasking. Handles polygons of any number of sides. No scripts are required for animation. Preview animations at the touch of a key. A wide range of powerful tools. Interruptable Z-buffer redraw averages 30 sec/frame. Saves in IFF and ANIM formats. Directly saves fully shaded Professional Draw Clips in grey scale or full color. The ultimate desktop publishing drawing aid. Both regular and math coprocessor versions included. \$249.00  
*Adspec Programming, 1405 N. Ellsworth Ave., Salem, OH 44460, (216) 337-3325*

## Draw4D-Pro

Same features as Draw 4D, but enhanced for video applications. IFF bitmap wrapping. Gouraud and Phong shading. Unlimited light sources that can be bitmapped and change in intensity/color during an animation. New animation and multi-level deform mode. An easy-to-use eye path for architectural walk-throughs. Compressed 24-bit IFF saves. Enhanced tools. Many more features. Super-Fast render times, often under two minutes. Direct DCTV support. \$349.00  
*Adspec Programming, 1405 N. Ellsworth Ave., Salem, OH 44460, (216) 337-3325*

## Laser Up! Draw

PostScript screen drawing and illustration package duplicates most PostScript drawing functions. Many features include: structured drawing, smooth curves, outline screen fonts, rotated text, help windows, auto tracing, color separations and more. Saves in EPSF format. Choice of text drawing speed. Unlimited object blends. \$124.95  
*Laser Up! Software, 889 De Haro St., San Francisco, CA 94107, (415) 826-6193*

## ProVector 2.1

ProVector is an extremely fast and flexible object-oriented drawing program with a unique user-friendly interface. ProVector is fully multi-tasking and allows multiple drawings to be loaded/created simultaneously for easy cutting and pasting of objects. ProVector features a fast and accurate free-hand tool as well as bezier curve, regular and irregular polygon tools for both smooth and straight-line polygons. Other features include user configurable UNDO (up to 256 steps), extremely flexible object alignment, rulers, text-to-path, user editable color fill patterns, grid-snap and much more. ProVector is completely user-configurable, offers keyboard shortcuts for most operations and includes a user-selectable measurement system (Inches, Pica, Centimeters) as well as ARexx compatibility (several useful ARexx macros are included). Requires 1MB of total RAM, AmigaDOS 1.3 or higher, a minimum of one disk drive. AmigaDOS 2.0 compatible. \$299.95  
*Stylus, Inc., P.O. Box 1671, Fort Collins, CO 80522, (303) 484-7321*

## Professional Draw 2.0

Professional Draw 2.0, an object-oriented color graphic design and illustration tool, has a five-fold increase over previous releases. It has an AutoTracing feature that can generate objects by automatically tracing over bitmapped graphics. Professional Draw 2.0's proprietary object manipulation algorithms can also 'blend' any two objects, colors, or lines by automatically drawing extra transitional images. Added features include the ability to write text along curves and perform color dithering, which yields over 1000 apparent colors on screen at once in hires mode. Images output to the highest resolution of your 9- or 24-pin dot matrix, InkJet, LaserJet, or PostScript printer. \$199.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

## Sign Engine

Sign Engine is a high level signage delivery system providing complete control over all aspects of vinyl sign production for professional sign makers. Structured drawings are imported and manipulated for output to sign cutting plotters. Features include auto-paging, interactive auto-tiling, outline/inline, selective layer cutting, background output, adjust-

able trailing blade compensation, and multiple copies. Direct file support for all Amiga-structured drawing packages allow for infinite creative signage possibilities. Imports and cuts ProDraw Clips, ProVector DR2D, DesignWorks Draw, Art Expression DR2D, as well as HPGL-DM/PL plot files from any platform. Sign Engine works on all Amigas and supports OS Version 1.3/2.0. Available Christmas 1991.

*Parallel Motion Graphics, Inc., 10 Stewart Court, Ste. 78, Orangeville, Ontario, Canada L9W 3Z9, (519) 942-8822*

## CLIP ART

### AMIZoo

Made expressly for DTP use (though these brushes also work well as video components), these 8- and 16-color hi-res brushes are the first of dozens of volumes to follow. The first three disks focus upon Frogs, Fish, and Birds. Each disk is packed with images, and the brushes are deftly cut out of their backgrounds, guaranteeing clean placement on the printed page, and options as to overlapping in both DTP and video use. They can be used with any Amiga paint program that accepts hi-res IFF's. Three disks. \$44.95  
*EyeFull Tower Comm./Earful Tower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

### Aegis Express Clip Art #1

Hi-res clip art for Aegis Express Paint 3. Includes over 50 patterns and background brushes of office-related images, as well as borders for certificates, ads, or newsletters. \$29.95  
*Oxxii/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

### Art Gallery I & II

Supplemental clip art for PrintMaster Plus with 140 graphics, mixed themes. \$39.95  
*Unison World, 1321 Harbor Bay Parkway, Alameda, CA 94501, (415) 748-6670*

### Art Gallery: Fantasy

Fantasy themes supplemental clip art for PrintMaster with 120 graphics. \$29.95  
*Unison World, 1321 Harbor Bay Parkway, Alameda, CA 94501, (415) 748-6670*

### Canvas v1

Canvas is the first in a series of full screen art collections by Warner Bros. artist/ animator Ryan Roberts. The three-disk package includes 13 classically styled animations and five pictures, all featuring animals and fantasy characters. \$34.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991*

### City Desk Art Companion Vol. 1:

#### People and Technology

A collection of 200 med-res images of people in various occupations, as well as objects from Amigas to weapons. \$29.95  
*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818*

### City Desk Art Companion Vol. 2:

#### Banners, Borders and More

Two disks of 200 high-res IFF graphic images, including banners, scrolls, billboards, silhouettes, and more. \$29.95  
*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818*

### City Desk Art Companion Vol. 3:

#### Brushes and Screens

Two disks of 200 high resolution IFF graphic images including textures and patterns to be used as backgrounds or fill patterns. \$29.95  
*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818*

### City Desk Art Companion Vol. 4:

#### Holidays and Sports

A collection of 200 medium-res IFF graphic images of holidays and sports. \$29.95  
*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818*

## Color Clip Art Vol.I-General

More than 200 color bitmapped images in Amiga IFF (ILBM) format for use in paint, desktop publishing, hypermedia, etc. Includes 20-page manual with instructions, index, and a printed sample of each image. Hi-res images. \$29.95  
*Software Designs O. Box 25, Lemont, IL 60439, (803) 951-6366*

## Color Clip Art Vol.II-Holiday

Color, bitmapped images on Christmas theme. Includes 'tree decorating kit,' a 'nativity construction kit,' and an assortment of full-screen pictures especially for making greeting cards. \$29.95  
*Software Designs O. Box 25, Lemont, IL 60439, (803) 951-6366*

## Color Clip Art Vol.III-Animals

Color, bitmapped images in 10 categories of animals—most anti-aliased, realistic; for use in paint, DTP, hypermedia, etc. Includes a 16-page manual with extensive instructions and a printed sample of each image. Hi-res images. \$29.95  
*Software Designs O. Box 25, Lemont, IL 60439, (803) 951-6366*

## Color Clip Art Vol.IV-General

Color, bitmapped images—the most requested ones by owners of Volumes I-III. \$29.95  
*Software Designs O. Box 25, Lemont, IL 60439, (803) 951-6366*

## Comic Art-Science Fiction

Science fiction clip art Comic Setter with body parts, backgrounds, and props. Can be used with any IFF program. \$34.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

## Comic Art-Super Heroes

More clip art for Comic Setter. Two-disk module features Super Heroes. Can be used with any IFF program. \$34.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

## Comic Art-Funny Figures

Professionally-drawn clip art for Comic Setter featuring looney-toon-style figures, backgrounds, and props. Can be used with any IFF program. \$34.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

## Interface Design Kit

This kit provides excellent button and icon clip art to the countless people who use multimedia presentation systems and software authoring systems. Included are dozens of buttons and icons depicting frequently-used features in Amiga software—mouse, music, videodisc, clock, printer, etc. Also included are several versions of generic buttons such as circles, rectangles and arrows. All buttons included in medium-res and hi-res. Four disks. \$59.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991*

## LUNAR Construction Disks

Create your own fantastic scenes of lunar landscapes, tumbling asteroids, and sparkling stars on the Amiga with these high-quality, full-color images. This two-disk set contains over 200 pictures, brushes, and ANIM brushes—your only limitation will be your imagination. \$25.00  
*Silver Fox Software, P.O. Box 551413, Dallas, TX 75355-1413, (214) 349-1681*

## Lunar Construction Set

A two-disk set of clip art and background components for creating custom-made lunar and space scenes. LCS includes several brush ANIMS, as well as several full screen anims and pics which stand as examples of the usage of these components. The package also includes some informative screens depicting how detailed asteroids, mountains, and craters are drawn, step-by-step. Overall, 183 clips; 24 pics (some in HAM mode) and 10 ANIMS appear in this package. \$24.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991*



# Desktop Publishing

## Midnight Graphics DTP

Midnight Graphics DTP is a collection of original IFF artwork, most suitable for desktop publishing applications. \$29.95  
Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449

## PIC-MAGIC™—EPS Version

The entire PIC-MAGIC collection in Encapsulated PostScript version for desktop publishing. Usable with PageStream, Professional Page, and any other PostScript-capable Amiga DTP programs. Infinite resizing with no jaggies! \$99.95  
Joe's First Company, 208 Glenayr Road, Toronto, Ontario, Canada M5P 3C3, (800) 387-8967

## Pixelations' PostScript Series: Typographers' Ornaments Volume 1,2,3,6,&7.

These are Amiga-Encapsulated PostScript clip art, including both IFF screen representations and the EPS code. The ornaments themselves are structured-drawing versions of traditional printers' illustrations; very distinctive, highly versatile, and well-suited for repeated use. They can be used with PixelScript or any PostScript printer. \$65.00  
Pixelations, Inc., P.O. Box 547, Northboro, MA 01532, (508) 393-7866

## PostScript® FUN (3-Disk Set)

Low-cost structured clip art disk plus two disks of 26 PostScript fonts for low-risk experimentation with Amiga PS programs. PS fonts converted from BMUG library disks 1-12 (BMUG is Mac's version of Fred Fish library) to Amiga, ProfessionalPage compatibility, includes screenfonts and metrics. Original art disk in ProfessionalDraw/ProfessionalPage format includes OpArt, Deco, and geometrics geegaws, dingbats, borders, and ornaments. \$30.00  
Lion's Amiga Art Studio, P.O. Box 42252, San Francisco, CA 94102, (415) 863-1781

## Pro-Quality Clip Art PGS. Struct.#1

Pro-Quality Clip Art, 100% PageStream compatible structured drawings. Aegis format. Includes symbols, holidays, U.S. map, and airplanes. One disk. No jaggies. \$19.95  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## Pro-Quality Structured Airplanes V1

Over 70 Aegis-format, structured drawings of early and modern airplanes—from the Fokker to the F14, with 100% Professional Page compatibility. No jaggies. \$19.95  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## Pro-Quality Structured Collection #1

Aegis format, structured drawings. Symbols V1, cartoons V1, Holidays V1, U.S. and World Maps, with 100% Professional Page compatibility. Five disks, 300 drawings. No jaggies. \$99.95  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## Pro-Quality Structured Collection #2

Aegis-format, structured drawings. Symbols V2, cartoons V2, Sports V1, and Animals V1, with 100% Professional Page compatibility. Five disks, 450 drawings. No jaggies. \$99.95  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## Pro-Quality Structured PreHistoric Animals

Twenty-four Aegis format, structured drawings of prehistoric creatures, with 100% compatibility with Professional Page. No jaggies. \$19.95  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## Professional ClipArt Vol.1

Structured clipart for the Commodore Amiga, for use with desktop publishing and structured art programs, like Professional Page, Professional Draw, PageStream 2.1. Includes images on Australian themes. \$49.00  
Desktop Utilities, P.O. Box 3053, Manuka, ACT 2603, Australia, (011) 616-239-6658

## ♦ Professional ClipArt Vol.2

Structured clipart for the Commodore Amiga, for use with desktop publishing and structured art programs, like Professional Page, Professional Draw, PageStream 2.1. Structures collection, Included in Vol.2, contains Sydney Harbour Bridge,

Sydney Opera House, and New Parliament House, Canberra. \$49.00  
Desktop Utilities, P.O. Box 3053, Manuka, ACT 2603, Australia, (011) 616-239-6658

## Scannery

Scannery is a software/hardware package that interfaces the HP ScanJet series of flatbed scanners. High quality images may be scanned in resolutions from 12 to 1500 dpi in black and white, four dither patterns, or in 16 or 256 greyscales. The images can be saved in a rich variety of formats for inclusion in any desktop publisher on most computers, or faxed out through the AEFax/modem. It features ease of use and installation. \$250.00  
Concise Logic, 36 Tamarack Ave., Ste. 315, Danbury, CT 06811, (203) 746-6739

## SilverClips

SilverClips is a unique gallery of black and white IFF images from Creative Focus. Two disks, with a total of 18 original hi-res graphics, provide unusual perspectives on the urban landscape and beauty in unlikely places. The photographic-quality pictures are compatible with any Amiga paint, image processing, video, or desktop publishing program. \$30.00  
Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580, (607) 648-4082

## Structured Clip Art #1

One full disk of Structured Clip Art for use in ProPage, ProDraw and PageStream 2.1. No jaggies! These clips are black and white and can be easily edited or colored using ProDraw. Disk One contains Electric Guitars, Skulls, Tropical Fish, World Peace, and Sportsmans Clips. \$17.50  
Lazer Tech Ink, P.O. Box 9471, Anaheim, CA 92812, (714) 772-8428

## SuperClips

Structured clip art for use with desktop publishing software like Professional Page, Professional Draw, PageStream, PixelScript, and others. Grayscale images may be colored to taste for jaggy-free printing as full color separations, grayscale, or black and white. Images may be resized at will without loss of definition for magazine quality output. Highly detailed art features professional quality not found in simple silhouette cutout clip art. Unusual images unique to the marketplace guarantee the personal touch to your publications. Very modern, very affordable, very professional art in useful categories: High Tech, Domestic, Plants, Unusual Symbols, Kitchen, Celestial, Transport, and Borders. Hundreds of objects can also be re-assembled for custom creations using Professional Draw (Gold Disk). 3-D effects used throughout for visual impact. Encapsulated Postscript Format (EPSF) compatible. \$29.95  
King Publishing, 1200 Treadway #226, Austin, TX 78704, (512) 448-2414

## The Super Sample Disk

Includes samples of both Aegis-Format Structured Drawings and IFF hi-res MultiScreens. Decide yourself which format is best tailored for your project—DTP, DTV, bitmap graphics, etc. \$6.00  
Hi! Tech News, 86 Lanvale Avenue, Asheville, NC 28806, (704) 252-4933

## The World Symbol Library Volume 1

Volume 1 contains: A) Egyptian Line Art & Grayscale; B) Egyptian Line Art, Halftones, and HAM, and C) Celtic 300 dpi Line Art. The world is full of mystic and sacred visual symbols. Some are common to the cultures that have created them, while others remain arcane. With this growing library of 200 and 300 dpi symbols, as well as grayscale images and others in full color, Amiga users will have a chance to increase the visual attractiveness and impact of their DTP works, as well as to integrate these symbols with video projects. There is no end to their usefulness, and no serious Amiga DTP library should be without them. Three-disk set. \$44.95  
EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## The World Symbol Library Volume 2

Volume 2 contains: A) Babylon, Assyrian, Egyptian, Chinese, Greek-Roman, Taoist, Gnostic, and other symbols; B) Egypt, Astrological, Goddess, Hindu, Nordic, Buddhist, Medieval, Islamic, and Japanese; and C) Alchemical Symbols. The world is

full of mystic and sacred visual symbols. Some are common to the cultures that have created them, while others remain arcane. With this growing library of 200 and 300 dpi symbols, as well as grayscale images and others in full color, Amiga users will have a chance to increase the visual attractiveness and impact of their DTP works, as well as to integrate these symbols with video projects. There is no end to their usefulness, and no serious Amiga DTP library should be without them. Three-disk set. \$44.95  
EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## The World Symbol Library Volume 3

Volume 3 contains: A) Hebrew and Christian; B) Astronomy and Astrology; C) Vedic, Hindu, Taoist, Confucian. The world is full of mystic and sacred visual symbols. Some are common to the cultures that have created them, while others remain arcane. With this growing library of 200 and 300 dpi symbols, as well as grayscale images and others in full color, Amiga users will have a chance to increase the visual attractiveness and impact of their DTP works, as well as to integrate these symbols with video projects. There is no end to their usefulness, and no serious Amiga DTP library should be without them. Three-disk set. \$44.95  
EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## The World Symbol Library Volume 4

Volume 4 contains: A) Mayan, Aztec, Incan; B) Imaginary and Misc.; C) North American Indian and others. The world is full of mystic and sacred visual symbols. Some are common to the cultures that have created them, while others remain arcane. With this growing library of 200 and 300 dpi symbols, as well as grayscale images and others in full color, Amiga users will have a chance to increase the visual attractiveness and impact of their DTP works, as well as to integrate these symbols with video projects. There is no end to their usefulness, and no serious Amiga DTP library should be without them. Three-disk set. \$44.95  
EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## The World Symbol Library Volume 5

Volume 5 contains: A) Greek, Roman, Germanic, Assyrian; B) Minoan, Celtic, And Buddhist grayscale symbols. The world is full of mystic and sacred visual symbols. Some are common to the cultures that have created them, while others remain arcane. With this growing library of 200 and 300 dpi symbols, as well as grayscale images and others in full color, Amiga users will have a chance to increase the visual attractiveness and impact of their DTP works, as well as to integrate these symbols with video projects. There is no end to their usefulness, and no serious Amiga DTP library should be without them. Three-disk set. \$44.95  
EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

## Ultra Clips™ Business Bundle

Ultra Clips™ Business Bundle contains both Vol. II and III of the Ultra Clips™ series. The bundle contains over seventy top quality Encapsulated PostScript images. \$69.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

## Ultra Clips™ Dingbats Bundle

Ultra Clips™ Dingbats Bundle contains Volumes IV, V, and VI. The Dingbats Bundle has more than 150 images ready for publication. \$89.95  
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Ultra Clips™ Portfolio Bundle contains Volumes XI, XII, XIII, and XIV of the Ultra Clips™ series. The bundle contains over a hundred quality images. \$99.95  
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## Ultra Clips™ Vol. I: Animals

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. I: Animals contains many commonly referred to animals in EPS format. Since it is an Encapsulated PostScript File, there are no jaggies when printed. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

## Ultra Clips™ Vol. II: Business A-M

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. II: Business A-M contains business symbols and objects that start with letters A-M. Since it is an Encapsulated PostScript File, there are no jaggies when printed. \$49.95  
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## Ultra Clips™ Vol. III: Business N-Z

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. III: Business N-Z contains business symbols and objects that start with letters N-Z. Since it is an Encapsulated PostScript File, there are no jaggies when printed. \$49.95  
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## Ultra Clips™ Vol. IV: Dingbats A-C

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. IV: Dingbats A-C contains a multitude of symbols for use in newsletters, Flyers, etc. All of the symbols are of the highest quality. \$49.95  
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## Ultra Clips™ Vol. IX: Humor

Ultra Clips™ Vol. IX: Humor contains a large number of images meant to add a little life to a document. These images are extremely well drawn and ready for use. \$49.95  
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## Ultra Clips™ Vol. V: Dingbats D-M

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. V: Dingbats D-M contains a multitude of symbols for use in newsletters, Flyers, etc. All of the symbols are of the highest quality. \$49.95  
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## Ultra Clips™ Vol. VI: Dingbats N-Z

Ultra Clips™ is a series of professional clip art desktop publishing. Vol. VI: Dingbats N-Z contains a multitude of symbols for use in newsletters, Flyers, etc. All of the symbols are of the highest quality. \$49.95  
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## Ultra Clips™ Vol. VII: Banners & People

Ultra Clips™ Vol. VII: Banners & People is especially suited for creating awards, banners, or flyers for young children. Use the image of George Washington for President's Day or the award plaque image for that special prize. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

## Ultra Clips™ Vol. X: Maps

Ultra Clips™ Vol. X: Maps contains all of the states accurately rendered. The volume also contains a map of all the continents, a world globe, and a map of the United States. \$59.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

## Ultra Clips™ Vol. XI: Portfolio A-E

Volume XI of the Ultra Clips™ series contains a variety of symbols. The images are as varied as an African Mask and an engineering symbol. Also included is a microscope, abacus, and dietary foods. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

## Ultra Clips™ Vol. XIII: Portfolio N-R

Volume XIII of the Ultra Clips™ series contains a variety of symbols. The images are as varied as a New York Skyline to a pair of reading glasses. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

## Ultra Clips™ Vol. XIV: Portfolio S-Z

Volume XIV of the Ultra Clips™ series contains a variety of symbols. The images are as varied as a school house and tuxedo. Other images are a telephone, spider web, and tea cups. \$49.95  
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## Ultra Clips™ Vol. XV Sports

The sports volume of Ultra Clips™ professional clip art series contains an image of just about every popular sport. Fencing, archery, football, and basketball just to name a few. \$49.95  
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## Ultra Clips™ Vol. XVI: Transportation

The transportation volume of Ultra Clips™ professional clip art contains a multitude of images dealing with all modes of transportation. We have an image for any need whether it be boat, train, plane, or car. \$49.95  
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## Ultra Clips™ Vol. VIII: Holidays

Ultra Clips™ Vol. VIII: Holidays contains a clip art image for any holiday newsletter or event, as with all of the other Ultra-clips™ the images are guaranteed no to have those unsightly jaggies. \$49.95  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

## WRAP SESSION

Texture wrapping is a technique made possible by the computer art medium. With it, textures and pictures can be wrapped on any 3-D or pseudo-3-D surface, giving forms the look and feel of the textures placed upon them. The results are often spectacular, and always amazing, especially on the Amiga. These volumes represent the most diverse and unique library of texture maps anywhere, and were created with the Amiga artist, animator, and desktop publisher in mind. Some are in HAM color, in grayscale hi-res, and in sharp black and white. The volumes are separated according to subject area of the topic. WRAP SESSION 1 contains: A) OP-ART Wraps, B) OP-ART Wraps, C) a free art disk. WRAP SESSION 2 contains: A) OP-ART Wraps, B) OP-ART Wraps and grayscales. WRAP SESSION 3 contains: A) Scanned Wraps of Crochet Patterns, B) Scanned Wraps of Crochet Patterns. WRAP SESSION 4 contains: A) Amish Quilt Wraps, B) HAM Flower Wraps. WRAP SESSION 5 contains: A) Wraps of Electron-microscope wood patterns, B) More Crochet Wraps and Electron-microscope wood patterns. WRAP SESSION 6 contains: A) HAM Natural Wraps: Wood, gravel, rock, and other surfaces, B) More HAM Natural Wraps. WRAP SESSION 7 contains: Additional Natural Wraps, B) Additional Natural Wraps. WRAP SESSION 8 contains: A) Full color Sky Wraps, which give the illusion of living planets when texture mapped on spheres, B) more Sky Wraps. Each two-disk set is sold separately for \$49.95.

*EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## World Symbol Library Vol.6

Volume 6 focuses upon grayscale images configured from 24-bit scans at 200 dpi. Subjects include Egyptian, Buddhist, and other world icons. One disk features 16-color hi-res images. Three-disk set. \$44.95

*EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## World Symbol Library Vol.7

Anyone ordering this package must show proof that they are 18 years or older. This four-disk set focuses upon 'sexual symbols of the world' and covers a host of cultures and time periods. The material varies from black and white, to grayscale, to full color, and is suitable for both DTP and DTP use. \$99.95

*EyefulTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

## eclips 1

Structured clip art in ProDraw format. Requires ProDraw or Professional Page 1.2 or higher. PostScript device required for output with ProPage. Over 300 pieces of high quality black and white clip art on four disks. No jaggies. \$99.00  
AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633

## eclips 2

Over 200 pieces of structured clip art in Encapsulated PostScript Format (EPSF). Compatible with PageStream, Professional Page, Saxon Publisher, and any other Amiga program that accepts EPSF files. Wide variety of images. 5MB of data on 6 disks. TIFF header for preview in PageStream. Requires PostScript output device or emulator. \$99.00  
AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633

## ♦ ♦ ♦ FONTS ♦ ♦ ♦

### ♦ AntiA

AntiA is a font enhancement utility which performs an anti-aliasing process on normal Amiga fonts. From one original font size it is possible to produce up to nine scaled-down versions (from 1/2 down to 1/12 size), anti-aliased, using four brightness levels. The new fonts are stored in the ColorFont format, and can be used by any paint or video program which supports ColorFonts. Although they can be displayed in any non-HAM screen mode, they look most effective when used on a hi-res interlaced screen (640 x 400 and above). It is possible to convert anti-aliased ColorFonts for use with Broadcast Titler. \$39.95  
Zen Computer Services, 2 Silver Birch Grove, Swinton, Manchester M27 1FS, England, (011) 4461-793-1931

### DJ Fonts Volume II

DJ Fonts Volume II is another three-disk collection of downloadable HP Deskjet soft fonts. It contains 64 different fonts spread among 17 different typefaces, including Rockland and Amertype, and 10 varieties each of Hollow, Shadow, and Obverse Shadow fonts. Point sizes are from 10 to 30. Most are proportional, and more than two-thirds are one- or two-pass fonts that can be used with any Deskjet. \$20.00  
Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580, (607) 648-4082

### DJ Fonts Volume I

DJ Fonts Volume I is a three-disk collection of 76 downloadable soft fonts for the HP Deskjet. The 27 different typefaces include Roman, Helv, Big City, Centrum, Garamet, Optimis, and Symbols. The fonts range in size from 4 to 40 point, and feature 24 different 18-point fonts. Most are proportional, one- or two-pass fonts that can be used with any Deskjet, and include normal, bold, upright, and italic styles. \$20.00  
Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580, (607) 648-4082

### ♦ Dennis Palumbo Font Disks 1-5

Professional, high quality outline fonts compatible with PageStream. Disk 1 contains Gallya Ornamented, Kooper Black and Plaebill fonts. Disk 2 contains Basketville, Gallya, and Decorative Borders fonts. Disk 3 contains Helvetic Extra Light, Casslon, and Fractions fonts. Fractions composes any fraction in serif or sans serif, in bold or normal type. Disk 4 contains Garmond, Garmond Bold, and Garmond Light fonts. Disk 5 contains Decorative Borders 2, Filmstrip, and Marquee fonts. Each alphabet font contains a minimum of 184 characters, including upper and lower case, numbers, punctuation, foreign and special characters, all designed specifically for that style of type. Requires PageStream 1.8 or 2.1. \$34.95  
Dennis Palumbo, 104 Barrymore Blvd., Dept. X, Franklin Square, NY 11010, (516) 352-5605

### Esperanto PS

Makes any font an Esperanto font! Modifies the PostScript output of both Pro Page and Excellence to print the international language by redefining the PostScript show routines. Several PostScript programs are included. One will insert special kerning instructions into existing PostScript document files. Another will make the printer Esperantize all following documents until it is reset. Better yet, permanently replace your existing PostScript prolog



# Desktop Publishing

files with our modified versions and produce Esperanto characters automatically. Full documentation is provided, complete with examples. Comes with one free issue of Semanto, a bilingual Esperanto newsletter produced with ProPage and Esperanto-PS. \$18.87  
**Kalamazua Progresantaro**, 224 Rose Place,  
 Kalamazoo, MI 49001-2617, (616) 349-1327

## Fonts & Borders

Forty supplemental fonts and borders for PrintMaster Plus, and free upgrade disk for original PrintMaster. \$34.95  
**Unison World**, 1321 Harbor Bay Parkway, Alameda, CA 94501, (415) 748-6670

## Gold Disk Type

A collection of Compugraphic outline fonts consisting of four separate packages of three fonts each for use in Amiga-based desktop publishing, video titling, and word processing. Available packages include the Publisher Pack with Garamond Antiqua, Futura Book II and Antique Olive; the Designer Pack with CG Bodoni Book, Extended and Park Avenue; the Decorative Pack with Brush, Cooper Black, and Letraset Revue Shadow; and the Video Pack with Bold II, Clarendon, and Dom Casual. \$59.95  
**Gold Disk, Inc.**, 5155 Spectrum Way, Unit 5,  
 Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## Laser Up! Fonts Vol. 1

Three new downloadable analytic fonts for PostScript printers. Round, Classic, and Showtime, from two points to at least 64,000. Professional-Page (Gold Disk) compatible. Also, now includes screen versions of each font plus Adobe Font Metric files (AFM) and ProPage metric files, and a ProPage install script file. \$49.95  
**Laser Up! Software**, 889 De Haro St., San Francisco, CA 94107, (415) 826-6193

## © Mifont 1.1

Mifont, the PostScript Font Conversion/Management system, converts Macintosh PostScript screen fonts into standard Amiga bitmap/Professional Page metric file formats. As well, Mifont converts any Mac or IBM Type 1 printer font into a format that Professional Page can download automatically. Mifont is extremely easy to use and contains powerful font management functions for maintaining large font libraries. The Adobe Screen Font Library (over 1000 fonts) is available from Mirror Image. Workbench 2.0 compatible. \$105.00  
**Mirror Image Productions**, 30 Aurora Court Ste.  
 1209, Scarborough Ontario, Canada M1W 2M3,  
 (416) 495-7469

## ◆◆ MOutline 1.0

MOutline 1.0 will convert any PostScript Type 1 printer font, in either Mac or IBM, into a fully compatible Professional Draw outline font. The font's actual letterforms may then be manipulated with any of PDraw's drawing tools to create effects, specialty type and logos. All font characters (to a maximum of 224) are accessible from PDraw complete with kerning. As with Mifont, all standard characters are rearranged to Amiga order. Also included is a utility for instantly viewing any ProDraw font's character outlines, kerning pair values and the key combinations to call them. As well, a printed PostScript chart can be generated to display this information, in three different page formats. Workbench 2.0 compatible. \$124.95  
**Mirror Image Productions**, 30 Aurora Court Ste.  
 1209, Scarborough Ontario, Canada M1W 2M3,  
 (416) 495-7469

## Midnight Fonts DTP

Original fonts for various applications. This is the desktop publishing set of the Midnight Font series. \$29.95  
**Computer Support**, P.O. Box 463, Salem, OR 97308,  
 (503) 743-4449

## Newsletter Fonts, Vol. I

Over 100 fonts designed by Andre Page. Roman and Helvetica are ideal for mapping to PostScript laser printer as screen representation fonts. \$46.25  
**Interactive Softworks**, 2521 S. Vista Way, Ste. 254,  
 Carlsbad, CA 92008, (619) 434-5327

## Outline Fonts

These high-quality AGFA Compugraphic outline fonts are designed for use with Professional Page v1.3 and higher as well as Professional Draw. All

are postscript compatible which will output to the highest resolution of any type of printer. Also included is a utility to allow you to convert these fonts to standard Amiga bitmap fonts. \$199.95  
**Gold Disk, Inc.**, 5155 Spectrum Way, Unit 5,  
 Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

## PROGRAFIX SOURCE Benchmark Fonts

PROGRAFIX SOURCE Benchmark Fonts are high quality collections of classic and contemporary display fonts designed to add dynamic high visibility impact to your projects, whether used alone or as a supplement to text fonts already available for the Amiga. The PROGRAFIX SOURCE Benchmark Font series currently includes the following collections, priced at \$47.95 each: Society Hand Benchmark, Font Collection Quick Hand, Benchmark Font Collection, ArtDeco Benchmark Font Collection, King's Quill Benchmark Font Collection, Cleric's Quill Benchmark Font Collection, GraphiCraft Benchmark Font Collection, and Free Flow Benchmark Font Collection. \$47.95  
**PROGRAFIX SOURCE**, 3827 South 58th Court,  
 Cicero, IL 60650-4212

## PageStream Disk A

Disk A contains screen font files and font metric files for 11 fonts. This package does not include the outline font files. The 11 fonts are Avant Garde, Bookman, Chancery, Courier, Dingbats, Helvetica, Helvetica Narrow, Palatino, Schoolbook, Symbol, and Times. This package is for PostScript printer users only. \$39.95  
**Soft Logik Corporation**, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## PageStream Font Pack 1

Font Pack 1 contains outline font files, screen font files, and font metric files for 14 fonts. The 14 fonts are Athena, Calgary, Circus, Devoll, Elegance, Keyboard 2, LinePrinter, Lucisans, PageStream, Roman Bookface, Spokane, Thames, WestSide, and Zip. \$75.00  
**Soft Logik Corporation**, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## PageStream Plus Pack

The Plus Pack contains outline font files, screen font files, and font metric files for 11 fonts. The 11 fonts are Avant Garde, Bookman, Chancery, Courier, Dingbats, Helvetica, Helvetica Narrow, Palatino, Schoolbook, Symbol, and Times. \$75.00  
**Soft Logik Corporation**, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## Pixelations' PostScript Series; Typeface Volumes One-Six

Each volume contains three to four PostScript Fonts each; PostScript fonts, are infinitely scalable for the widest possible range of point sizes. Complete Amiga support files and bitmaps are included for Professional Page, PageStream, excellence!, ProWrite/ProScript, PageSetter/LaserScript, City Desk 2.0, and Shakespeare. An intuition installation utility allows automated installation of correct support files for the packages used. Can be used with PixelScript or PostScript printer. \$70.00  
**Pixelations, Inc.**, P.O. Box 547, Northboro, MA 01532, (508) 393-7866

## ProFonts: Volume I

High quality fonts for use with ProWrite™. Package includes System Mover to move fonts and other system fonts from disk to disk, and allows you to install fonts on the Workbench disk. \$34.95  
**New Horizons Software, Inc.**, 206 Wild Basin Road,  
 Ste. 109, Austin, TX 78746, (512) 328-6650  
**Please see display ad inside back cover.**

## ProFonts: Volume II

High quality, decorative fonts give visual appeal to ProWrite™ documents. Package includes System Mover to move fonts and other system fonts from disk to disk, and allows you to install fonts on the Workbench disk. \$34.95  
**New Horizons Software, Inc.**, 206 Wild Basin Road,  
 Ste. 109, Austin, TX 78746, (512) 328-6650  
**Please see display ad inside back cover.**

## © SHADOWMAKER

An Intuition-based font shadow and anti-aliasing generator. Using a WYSIWYG real time interface, Antialiasing and background Shadows are added to normal Amiga fonts. Total Load/Convert/Save times are under one minute. Extremely easy to use,

no prior experience required. Requires Amiga 500/1000/2000/2500/3000; Workbench 1.3 or higher; 1MB RAM; Workbench 2.0 Compatible. \$24.99  
**L & V Productions Reg'd**, 110 Columbus Ave.,  
 Moncton, New Brunswick, Canada E1A-5E4, (506) 532-0094

## ◆ Soft-Logik Clip Art Library

The Clip Art Library contains over 2000 EPS graphics which can be printed to PostScript printers. Each illustration also contains a TIFF bitmap header which can be printed to any type of printer. These graphics can be imported into PageStream 2 as objects for editing and printing. The Clip Art Library is composed of 21 volumes of varying themes such as Business & Industry, Food & Entertainment, and Universal Symbols. Each volume sold separately for \$99.00. Special sets: V1 & V2 \$168; V4 & V5 \$168; V3 & V6 \$168; V1, V2 & V8 \$199.  
**Soft Logik Corporation**, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## ◆ Soft-Logik Library Classic Fonts

Classic Fonts contain 16 PostScript Type 1 fonts. These fonts are suitable with PageStream 2 and any PostScript font compatible application. The 16 fonts are ITC Berkeley Oldstyle Book, ITC Berkeley Oldstyle Book Italic, ITC Berkeley Oldstyle Bold, ITC Berkeley Oldstyle Bold Italic, ITC Caslon Book, ITC Caslon Book Italic, Castle, Commercial Script, ITC Futura Regular, ITC Fenice Regular Italic, Futura Condensed Bold, Futura Condensed Extra Bold, Futura Light, Futura Medium, Gill Sans and Gill Sans Bold. \$199.95  
**Soft Logik Corporation**, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## ◆ Soft-Logik Library Designer Fonts

Designer Fonts contain 16 PostScript Type 1 fonts. These fonts are suitable with PageStream 2 and any PostScript font compatible application. The 16 fonts are Architectura, Ad Lib, Albertus Bold, Banco, Corvinus Skyline, ITC Clearface Contour, Eurostil Extended Bold, Fraktur, Friz Quadrata, Friz Quadrata Bold, Gill Sans Ultra Bold, L & C Hairline, Murray Hill, New Yorker, Reporter, and Uniform 49 Ultra Condensed. \$199.95  
**Soft Logik Corporation**, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## ◆ Soft-Logik Library Newsletter Fonts

Newsletter Fonts contain eight PostScript Type 1 fonts. These fonts are suitable with PageStream 2 and any PostScript font compatible application. The eight fonts are Brush Script, Comic Book Two, Lubalin Graph Medium, Minipics, Olive Antique, Olive Antique Black, Stone Informal Medium, and Stone Informal Medium Italic. \$99.95  
**Soft Logik Corporation**, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## ◆ Soft-Logik Library Starter Fonts

Starter Fonts contain eight PostScript Type 1 fonts. These fonts are suitable with PageStream 2 and any PostScript font compatible application. The eight fonts are American Typewriter Medium, Cooper Black, ITC Machine, ITC Souvenir Light, ITC Souvenir Light Italic, ITC Stone Sans Medium, ITC Stone Sans Bold and Surf Style Bold. \$99.95  
**Soft Logik Corporation**, 11131 S. Towne Sq. Ste. F, St. Louis, MO 63123, (314) 894-8608

## ◆◆◆ FORMS ◆◆◆

### Award Maker Cartoon Library

The Cartoon Library will provide you with 47 new certificates using hilarious cartoon characters. \$19.95  
**Baudville**, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888

### Award Maker Education Library

The Education Library will provide you with 10 new borders not available anywhere else. Plus you will receive the four new fonts. \$29.95  
**Baudville**, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888

### Award Maker Plus

Easy-to-follow program creates awards, certificates, licenses, coupons, or other documents you design. Program prints hundreds of pre-designed award styles, allowing you to choose text style, enter your own message, and select the border style and color. In some styles, you can enter your own hi-res picture. Features professionally designed color and

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B&W borders, gold embossed press-on seals, and class name file capability. \$49.95  
*Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888*

## Award Maker Sports Library

The Sports Library will provide you with seven new borders not available anywhere else. Plus you will receive the four new fonts. \$29.95  
*Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888*

## ◆ Ideas Forms One

Idea Forms One is a personal productivity package for use with PageStream. Idea Forms includes over 200 templates and forms for personal or small business use. The templates are divided into 11 design series, allowing you to maintain a uniform appearance for a range of documents. Requires PageStream 2.1 or higher. \$39.95  
*\*Koehn Design, P.O. Box 107, Lazo, B.C., Canada V0R 2K0*

## QwikForms™

Qwikforms consists of over 100 different forms and layouts for PageStream. Forms are included for business, legal, and real estate. Save time with ready-made layouts and templates for invoices, ledgers, newsletters, resumes, stationary, charts, menus, wills, invitations, cards, booklets, flyers, etc. Also included are architectural symbols for floor plans, logos for business stationary, and two disks of clip art. \$39.95  
*Sterling Connection, The, P.O. Box 4850, Berkley, CA 94704, (510) 655-2355*

## Ultra-Forms™ Volume I PageStream™

High-quality professional business forms for use with PageStream™ and over 60 forms are included. These forms are ready to be printed after some slight modifications to personalize the form. \$29.95  
*Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690*

## Ultra-Forms™ Volume I Professional Page™

High-quality professional business forms for use with Professional Page™ and over 60 forms are included. These forms are to be printed after some personalization by the user. \$29.95  
*Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690*

## ◆ ◆ ◆ PRINT UTILITIES ◆ ◆ ◆

### 360 dpi Fonts

Complete set of 360 dpi fonts for the NEC 24-pin printers. Requires the NEC P6 driver and AmigaTeX, 10 disks. \$75.00  
*Radical Eye Software, P.O. Box 2081, Stanford, CA 94309, (415) 826-6193*

### Epson FX Printer Driver

AmigaTeX driver and fonts for the Epson FX, MX, JX, and compatible series of printers. Also includes separate driver for almost all Epson-compatible printers, 10 disks. \$100.00  
*Radical Eye Software, P.O. Box 2081, Stanford, CA 94309, (415) 826-6193*

### FinePrint

Multiple gray-shade print program works with most dot-matrix printers. Makes highly-detailed prints with true shades of gray. Makes near-photograph-quality prints. Makes postage-stamp sized as well as mural-sized prints. Mouse-oriented and easy to use. \$49.95  
*Designlab, P.O. Box 419, Owego, NY 13827, (607) 687-5740*

### ImageWriter II

AmigaTeX driver for the ImageWriter II, 2 disks. \$100.00  
*Radical Eye Software, P.O. Box 2081, Stanford, CA 94309, (415) 826-6193*

### Laser Printer Drivers

AmigaTeX laser drivers. Includes drivers for 300 dpi PostScript printers, the HP LaserJet Plus and Series II, and the HP DeskJet printers, with 8 disks. \$100.00  
*Radical Eye Software, P.O. Box 2081, Stanford, CA 94309, (415) 826-6193*

### Laser Up! Plot

Converts Aegis Draw and Draw Plus drawings to PostScript. \$49.95  
*Laser Up! Software, 889 De Haro St., San Francisco, CA 94107, (415) 826-6193*

### Laser Up! Print 1.2

PostScript image printing system with many features. WYSIWYG scaling and translation landscape or portrait. Unlimited x and y printed image scaling. Wide variety of borders and halftone screen

types selectable from menu. Four color process separations with targets-positives or negatives. You can save images as PostScript text files, which can be used with any operating system, or send them directly to any PostScript printer or typesetting machine. It's completely menu-driven with many features. \$89.95  
*Laser Up! Software, 889 De Haro St., San Francisco, CA 94107, (415) 826-6193*

### Laser Up! Utilities Vol. 1

PostScript procedures for typesetting. Standardized formatting commands for many functions. New Intuition user interface. \$39.95  
*Laser Up! Software, 889 De Haro St., San Francisco, CA 94107, (415) 826-6193*

### NEC P6 Driver

AmigaTeX drivers and fonts for the NEC P6/P7 series of printers and the Epson LQ series of 24-pin printers with 6 disks. \$100.00  
*Radical Eye Software, P.O. Box 2081, Stanford, CA 94309, (415) 826-6193*

### PSFont 2.0

PSFont 2.0, the Adobe Postscript™ font downloader for the Amiga allows the user to tap into the many font styles currently available to the MS-DOS and Macintosh communities. PSFont 2.0 allows the Amiga Desktop Publisher to download Type I (Adobe) and Type III (PostScript™ compatible) fonts to a PostScript device (laser printers, imagesetters, etc.). PSFont can download multiple fonts, through both series and parallel interfaces, limited only by the amount of existing memory on the printer. Full CLI, Workbench and TASS support. PSFont 2.0 can automatically generate properly spaced metric files for Professional Page, Saxon, and PageStream. PSFont is Workbench 2.0 compatible. \$139.95  
*Canadian Software Developers, 4 Caithness Avenue, Toronto, Ontario, Canada M4J 3X7, (416) 466-6450*

### Palette Printer

Hard copy output can closely match your RGB monitor colors. P.P. is a carefully designed color match and color selection system for the Amiga artists and graphic designers. 30 IFF files print 850 color swatches to any color printer. Compare these P.P. color charts to any process printer's color match system of your computer monitor to select color settings in any Amiga paint or desktop publishing program to create a matching color. Create professional product design models or graphic design approval layout. Or, simply use the P.P. charts as the fastest reference utility to pre-select color settings for precise hard copy results. \$29.95  
*Ontological Survey, P.O. Box 17488, Milwaukee, WI 53217, (414) 332-1818*

### PixelScript V1.1

PixelScript brings the power of PostScript to your Preferences printer, at any resolution your printer supports. PixelScript comes with equivalents to the two leading font families (Times and Helvetica). PixelScript supports Encapsulated PostScript clip art for truly professional desktop publishing. Additional fonts, clip art, and utilities available. \$149.00  
*Pixelations, Inc., P.O. Box 547, Northboro, MA 01532, (508) 393-7866*

### Pixelations' PostScript Series; PostScript Printer Utilities

This disk contains six utilities which facilitate the use of PostScript printers with Amigas. Included: Download Fonts; Print-a-PostScript File; List Printer-Resident Fonts; and several methods for manipulating the automatic sending of fonts within a document. \$65.00  
*Pixelations, Inc., P.O. Box 547, Northboro, MA 01532, (508) 393-7866*

### Pixelations' PostScript Series; Sample Disk

This contains three PostScript fonts, including one intended to aid in technical documentation for Amiga products; 20 pieces of clip art, much of it Amiga-related; and a utility to generate Zoomed text to the user's specifications. \$65.00  
*Pixelations, Inc., P.O. Box 547, Northboro, MA 01532, (508) 393-7866*

### PostDriver

PostScript printer driver. Adds true PostScript printing capabilities to all programs. Works automatically with all software. Excellent, complete text and graphics support. Full black & white as well as color support. PostDriver has many options all settable with the included preferences program. Works on all Amigas. WB1.3 & WB2.0. No ARexx port, but ARexx can activate previously saved settings. NTSC/PAL compatible. \$49.00  
*Soft Service, Inc., ElectroCity, 4th Floor, SF-20520 ABO, Finland, (011) 3582-1637-5762*

## PrintMaster Plus

Graphic printing program. Includes clip art, fonts, and more. \$39.95  
*Unison World, 1321 Harbor Bay Parkway, Alameda, CA 94501, (415) 748-6670*

## Professional Page Templates and Design Guide

This package contains over 50 professionally-designed, pre-configured templates for Professional Page, as well as a 48-page design manual full of useful design and layout tips. Type specifications—typeface, size, style, justification, text run-around, and more—is all pre-set. Just flow in copy and print. This is extremely useful for those beginning desktop publishing, or others with limited time to devote to design details. \$59.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

## Pure Color

Pure Color is a collection of printer palettes designed for graphic artists or anyone with a need for color hard copies. Each IFF screen holds 32 different colors that can be printed to give the Amiga artist a convenient color chart for quick reference. Each color is clearly labelled with the numeric setting for RGB. There are over 500 different color settings as well as numerous dot pattern settings and a Quasi-HalfBrite chart. Pure Color is a collection of IFF compatible screens that are used as a color reference guide, and works well with any type of printer. Designed by graphic artists using DeluxePaint II. \$24.95  
*Graphic Design Studio, 417 Transcontinental Drive, Metairie, LA 70001, (504) 455-0341*

## Shinko & Mitsubishi Preferences 1.3 Printers Drivers

We offer a complete line of thermal color printer drivers for the Mitsubishi and Shinko A&B size color printers. They are 100% Amiga Preferences 1.3 drivers. \$133.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722*

## Window Print II

Consists of three separate programs: Window Print, Snatch, and IFFIcon. In Window Print, load, print or save icons, BASIC output and paint programs. POSTER lets you clip and print a poster size print of any IFF picture or window. Install Snatch at startup and have a convenient HOT KEY to snatch the screen to an IFF file, captures stills from most animation. IFFIcon converts clipped pictures into ICONS for any Workbench object. Use two images, and icon changes when selected. \$34.95  
*T & L Products, 2645 Wilson Street, Carlsbad, CA 92008, (619) 729-4020*

## ◆ ◆ ◆ TUTORIAL ◆ ◆ ◆

### ◆ Buddy System for AmigaDOS

Your personal guide through the fundamentals and features of the Amiga and its operating system. Enjoy a unique, hands-on approach to learning that lets you proceed at your own pace. Features include point and click Hypertext interface, real-time, visual demonstrations with the exclusive AniMouse instructor, and speech narration and captioning. The Buddy System is a complete source of reference with help for getting started on the Amiga; Workbench and Shell techniques; AmigaDOS and ARexx online reference; Scripting, Mountlists and Startup sequences; and the Preference Editors. Requires Kickstart and Workbench v2, 1MB RAM, and two drives (hard drive recommended).  
*HelpDisk Inc, 6671 W. Indiantown Rd., Ste. 56-360, Jupiter, FL 33458, (407) 694-1756*

### Buddy System for DeluxePaint III

A tutorial interface for DPaintIII that is accessed through the help key. Concise text explanations and live, audio-visual demonstrations are presented interactively while DeluxePaint III is in use. \$49.95  
*HelpDisk Inc, 6671 W. Indiantown Rd., Ste. 56-360, Jupiter, FL 33458, (407) 694-1756*

### Buddy System for PageStream

A tutorial interface for PageStream, that is activated with a simple press of the helpkey. Help information is displayed directly on the PageStream screen. Hypertext files and audio-visual demonstrations are presented. Requires at least 1.5MB, two drives and PageStream 2.1. \$49.95  
*HelpDisk Inc, 6671 W. Indiantown Rd., Ste. 56-360, Jupiter, FL 33458, (407) 694-1756*

### MegaDOS AmigaDOS Manual on Disk

A complete reference and tutorial guide for using AmigaDOS, both Workbench and CLI. Designed to eliminate the confusion of other DOS manuals. Full of examples with many hints and tips. \$19.95  
*MegaDisc, P.O. Box 759, Crow's Nest, Australia 2065, (011) 612-959-3692*



# Music

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## ♦ ♦ ♦ MUSIC GENERAL ♦ ♦ ♦

### ● A-Sound 2.0

A-Sound 2.0 is a powerful, low-cost monophonic sound editor for the Amiga. It sports a friendly, intuitive interface, a full-featured set of editing tools, and over 20 special effects that can be applied to sound samples. A-Sound 2.0 also provides a total of 16 individual sound buffers (tracks) for sample editing. For sound sampling, it supports any PerfectSound or compatible digitizer, including PerfectSound 3.0. Amiga 500, 1000, 2000-based, 3000 with 512K. AmigaDOS 2.0 compatible. NTSC/PAL. \$29.95  
*Deltaware Products, 3148 Kingston Rd., Ste. 202, Box 395, Toronto, Ontario, Canada M1M 1P4, (416) 431-2047*

### ● A-Sound Elite

A-Sound Elite is a stereo audio sample editor with powerful capabilities. Among its notable features are sequenced loops, record-to-disk, ARexx support, precision editing, 16-bit sample support, an Undo command, and multi-octave/multi-track sonix and IFF instrument saving. AmigaDOS 2.0 compatible. NTSC/PAL. \$129.95  
*Deltaware Products, 3148 Kingston Rd., Ste. 202, Box 395, Toronto, Ontario, Canada M1M 1P4, (416) 431-2047*

### Aegis Sonix

Combine instruments, sampled sounds, and digitized AudioMaster files. On-screen musical editing lets you see each note as it's entered on the staff. Has built-in MIDI controller. Supports eight MIDI voices with up to 32 channels and 16 MIDI patches for each channel, or four Amiga voices and four MIDI voices. Saves files in IFF or RFF formats. Use pre-programmed instruments or create your own using the Sonix synthesizer. \$79.95  
*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

### AudioLink™

AudioLink™ is a professional 16-bit linear stereo audio processor that boasts 16 voices (8 in stereo), a variable sound sampling rate of up to 48 KHz (96 KHz 2x over sampling in mono), up to 16MB onboard. Plus, 16 multi-outs (D/A convertor on each out), a S/PDIF interface, MIDI, and open slot for Direct-to-Disk Transfer Card. AudioLink™ comes bundled with sound editing software with features such as Realtime Playback, Crossfading, and Cut, Copy, and Paste between voices. Invert, Reverse, Looping and Variable Left and Right Gain. Saves in multiple formats such as AIFF and SAMP. For all Amiga models. Availability TBA. \$1295.00  
*Beta Unlimited, 87 Summit Street, Brooklyn, NY 11231, (718) 852-8646*

### Bars&Pipes

Unique Pipeline concept allows the user to direct the flow of musical information on a track-by-track basis either prior to or after recording takes place. Includes the Toolbox with a keyboard splitter, event filter, chord substitute, inverter, and harmonizer to name a few. Create a Tool allows the user to construct customized Macrotools. There is no limit to the number of tracks. Sequencer features include

global cut, copy, and paste; autolocate registers; punch in and out; looped mode recording; global display of music on all tracks; A-B-A global song construction and editing; high-resolution timing (192 clicks per quarter note); tempo maps; sync to external MIDI or time code; audible metronome; and rhythm, chord, key, multiple time signature, and lyric output. The Editor is either a piano roll display or bars on a staff. Lyrics can be typed over the music. Simple, intelligent, object-oriented user interface. MIDI File Format compatible. From now until December 15, 1991, all Amiga music software owners can upgrade to Bars&Pipes for a special price plus a cover page from any Amiga music software manual. The upgrade fee is \$99.00. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$199.00  
*The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

### ♦♦ Bars&Pipes MusicWare Collection

The Collection features over 100 music files in Bars&Pipes and MIDI file formats. This diverse collection of material includes classical, pop, rock, jazz, ethnic music, plus soundtracks, rhythm tracks and standards. Selections include Love Shack, Straght Up, Hey Jude, The Brandenburg Concerto, Beethoven's Eighth Symphony in F major, Last Waltz and more. Call for pricing. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution.

*The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

### Bars&Pipes Professional

Bars&Pipes Professional's state-of-the-art features include an unlimited number of tracks and notes; merge and overwrite recording; automated mixing; notation editing and print-out of transposed score, concert score and individual parts; automatic transposition; graphical song construction; graphical tempo mapping; event list, hybrid, notation and piano roll editing, system exclusive recording and editing; real-time non-destructive editing; algorithmic composition; rhythmic generation; loop-mode recording; time-line scoring; macrotool design and construction; open-ended architecture; expandable design; and more. From now until December 15, 1991, all Amiga music software owners can upgrade to Bars&Pipes Professional for a special price plus a cover page from any Amiga music software manual. The upgrade fee is \$199.00. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$379.00  
*The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

### Composer Quest

Composer Quest offers a revolutionary, interactive, and fun way to learn music history through the work of the great composers, from 1600 to the present. It can be used as a game or a learning application. The program cross-references important developments in world history, visual art, and sociological change. Composer Quest features 75 digitized 'sound samples' of original performances of some of the greatest musical works ever composed and recorded. It requires a hard disk to install. See CDTV section also. \$199.00  
*Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454*

### Copyist Apprentice

Music printing and scoring program prints five pages of music on a dot-matrix printer. \$149.00  
*Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454*

### Copyist DTP

Music printing and scoring program prints 100 pages of music on dot-matrix, laser, or PostScript printer. With Adobe Sonata fonts. Supports IFF and EPS files. \$399.00  
*Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454*

### ♦ Creativity Kit

The Creativity Kit, which requires Bars&Pipes Professional, is designed to accommodate the creative needs of musicians, professional and amateur alike. It includes Accent Randomizer, All in One, AnyPhonic, Arpeggiator, Articulation Randomizer, Auto Modulate, Auto Transpose, Past Out, Random Notes, Riff-Chord, Rhythm Section, Step'n Out, Tapped Out, Tri-Arpeggiator, True Gliss, and Whoopie. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$69.95  
*The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

### Deluxe Music Construction Set

Full-featured sound editor with complete input, notation, and score printing. \$99.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

### ♦ Digital Sound Studio

A complete low-cost sound and music solution for the semi-professional and the audio hobbyist, the system consists of a small, high-quality 8-bit stereo sound sampler that connects into the parallel port on the Amiga 500, 2000, or 3000, combined with the fastest, most powerful and easy-to-use sound and music editing program available for the Amiga. Any RCA-type audio source can be connected to the sound sampler, allowing the user to edit music, add special effects, compose a song and even create a video soundtrack. Features include cut, paste, mix, filter, echo, reverberate, fade out, fade in, play backward, speed playback, and slow playback. \$125.00

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

**Please see display ad page A.**

### Digital Studio

A stereo sound handler for Amiga computers. A digital sampler, editor (and sequencer) is fully complete, of high fidelity (simple to use at an affordable price); yet it remains a professional tool. Digital Studio has 10 memory work zones; these buffers will allow you to work on several different pieces of music, and even better, to play one piece while working on another, or even to play samples at the same time, with different frequencies (pitch) if so desired. The zoom in Digital Studio permits you to magnify the waveform. DRAW permits you to touch up the waveform. There are menu commands for volume, and echo. Modified sounds can be saved on a floppy disk or on a hard drive in IFF format. Supplementary characteristics include: Sampling Rate to 44KHz, automatic voice activation, left, right volume control, anti-aliasing audio filter control, transform mono into stereo and vice versa, and graphic oscillator for control of audio entry level. Digital Studio is compatible with all the digitizers whose sampling rate is high enough to permit quality sound recording.  
*Adept Development, P.O. Box 20, 1000 Lausanne 5, Switzerland, (011) 4121-312-1202*

### E-Z FM Synthesizer

Easy-to-use software program for creating instruments and sounds for you Amiga. E-Z produces realistic sounds as well as synthetic or futuristic sounds with rich harmonic content. This program uses a minimum number of steps making it 'EaZy' to use. \$59.95  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620*

### Harmoni

Harmoni enables musicians to use their Amiga to record and edit music sequences composed of up to 24 tracks with synthesizers, drum machines, and any other MIDI-equipped instruments. MIDI channel assignments can be set up for each track so that sequences can be fully orchestrated and played back. Harmoni provides four different types of velocity scaling, three ways to arpeggiate chords into individual note runs, plus merging to combine several tracks into a single track. Other functions

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# Music

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include MIDI filtering, sequence looping, and SMPTE sync. 1MB recommended. Requires MIDI interface, cables, and any MIDI equipped synthesizers, drum machines, or other equipment capable of sending or receiving MIDI data. \$99.95  
*Disc Company, The, 11040 Santa Monica Blvd., Ste. 300, Los Angeles, CA 90025, (213) 478-6767*

### Harmony

Got a song in your head? Let Harmony help you get it out. The revolutionary program is highly intuitive. Other music construction sets simply don't force your computer to do its fair share of the work. Instead, they overwhelm you with tedium and intimidate you with technical jargon. What makes Harmony different? Conceptual attitude. Harmony is extremely powerful, yet designed from an end-user's perspective. \$199.95  
*Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449*

### Hyperchord 2.0

A dynamic riff sequencer, designed for professional musicians but addictive fun for amateurs. The principle behind Hyperchord is that most music is based on short themes and motifs, which are then varied in rhythm, pitch, and order to create larger musical movements. Hyperchord lets you create riffs (sequences) of up to 40 notes using such original features as Riffwaves, Weave, Smear, Rotate, Expand; then store and manipulate in real time, varying pitch, speed rhythm, volume, note order, orchestration, harmonies, and trill. For intense riffing, switch between 60 user-defined scale modes and 40 rhythms, or employ unique cyber-musical tools such as Holistic Play and VectorPlay. Three utilities included: Mode Maker, Rhythm Maker, and Holistic Window. Use with A500, A1000, A2000. 1MB recommended. \$159.00  
*Hologramophone Research, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

### Internal Sounds Kit

With the Internal Sounds Kit, You no longer need MIDI to compose and create. This package, part of the Bars&Pipes Add-on Series, provides the keyboard, the instruments, and the player and includes: Spare Keys (tool), which allows you to enter notes with the mouse or Amiga Keyboard; Amigophone (tool), which lets you load an unlimited number of IFF sounds and adjust high or low fidelity, fine tuning, modulation, octave shift, pitch bend, vibrato rate and depth, emphasis, attack, release, and volume. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95  
*The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

### ◆ Jam!

Rely on Jam! to provide fresh ideas, exciting rhythms, and mesmerizing musical feats at the touch of a button. Create accompaniments, soundtracks, styles, and grooves quickly and easily. Unlike ordinary music programs, Jam! requires little musical finesse in order to accomplish exciting results. Multi-media artists can use Jam! to create and synchronize musical soundtracks with other Amiga packages. Bars&Pipes Professional owners can use it to sketch their musical ideas and try out various musical styles. Jam! can also be run seamlessly within Bars&Pipes Pro. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$129.00  
*The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

### KCS 3.5

KCS is a 48-track sequencer that operates in a linear- or pattern-based mode. It also allows assembly of up to 16 songs at a time. It features real-time graphic editing of notes and controllers, quick scoring and printing of standard musical notation, automated MIDI mixing, and comprehensive algorithmic and global editing. (version 3.5 combines both KCS and Level II in one product.) Requires 1-2MB memory, depending on number modules loaded. \$400.00  
*Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454*

### ◆ Keyboard Totes

Keyboard totes are designed to carry any musical keyboards measuring from 21 x 6.5 x 2 to 39 x 13 x

3.5. Made from 3/4-inch high density shock absorbing foam. Shell is made out of water-repellant 1000 Denier Nylon Cordura. Lifetime warranty. Colors: Royal, Gray, Black. \$39.90-\$97.90.  
*D.J. Distributing, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208*

### M

M for the Amiga is a real-time interactive composing and performing program. M's graphic screen controls allow you to shape or change any aspect of your composition while you're hearing it. First, you specify notes and chords, and then you determine the ways those notes will be transformed through rhythms, articulation, orchestrations, and many other variables. Finally, you perform your music, either by manipulating screen controls, playing control keys on a MIDI keyboard, or moving the mouse in a conducting grid. M features a capability for automating changes in MIDI velocities, note densities, legato-staccato articulations, and accents. Also multitasking compatible and high-quality internal sounds using IFF 8SVX sample files. \$179.00  
*Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454*

### MIDI Music Manager

Play sampled sounds from any MIDI track. Listen to one track while recording another. Eight real-time tracks. Adjustable track length. Works with standard IFF files. \$39.95  
*Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110*

### ◆ MIDI Quest Universal Editor Librarian

Editors for 90+ instruments, Librarian/Bank Editor for 130+ instruments. MIDI Quest Jr. Universal Librarian/Bank Editor for 130+ instruments also available for \$99.00. NTSC/PAL, AmigaDOS 2.0 compatible. \$250.00  
*Sound Quest, Inc, 1573 Eglinton Ave. W, Ste. 200, Toronto, Canada M6E 2C9, (800) 387-8720*

### ● MIDI Sample Wrench V2.0

Complete visual editor system for 16-bit CD quality sounds. Quickly perform subtle or dramatic sound variations. Full cut-and-paste editing with extensive processing tools such as EQ, compression, enveloping, sampling rate conversion, sample mixing, clipboard, and much more. Multiple editors with virtually infinite zoom, scroll, and pan. Preview sounds using Amiga internal voices. Uploads and downloads to your favorite MIDI sampler including Prophet2000, TX16W, EPS, E-Mu E-MAX, E3, Roland S-770, Korg DSS-1, Akai S612, S700, S900, S1000, Casio FZ-1, and others. Requires MIDI interface and 512K, with 1MB or more recommended. AmigaDOS 2.0 and ARexx compatible. \$299.00  
*dissidents, 730 Dawes Ave., Utica, NY 13502, (315) 797-0343*

### Master Tracks PRO

Our goal was to create a sequencer with all the power and control you desire without sacrificing an easy-to-use working environment. Sequencing should be a natural extension of the creative process. We don't think that advanced technology means inhibiting your creativity with a confusing design. Along with the control, we wanted a system that could work in the comfortable way, whether you choose an Amiga, Mac, Atari ST, IBM PC, or Yamaha C-1. \$395.00  
*Passport Designs, Inc., 625 Miramontes Street, Half Moon Bay, CA 94019, (415) 726-0280*

### MidiVU

Single track desktop recorder records in real time from any MIDI instrument. Portable, compact, multitasking; uses just three percent of disk. Pops up fast, hides easily. Saves tracks to disk, and includes powerful file utility. MIDI data monitor for troubleshooting. Help screens show MIDI 1.0 message definitions. Includes message filtering and loopable playback. Records Sys-Ex MIDI data and can be used as a generic Patch Librarian. \$29.00  
*Diemer Development, 12814 Landale St., Studio City, CA 91604, (818) 762-0804*

### Multi-Media Kit

With the Multi-Media Kit, you can co-ordinate your music with other Amiga applications, including Elan Performer, DeluxeVideo III, CanDo, AmigaVision, DeluxeMusic Construction Set, Sonix, and Digi-Paint 3. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95  
*The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

### Music Mouse

Interactive compositional program that turns your computer into a musical instrument. Fully MIDI compatible, yet no MIDI is required. \$79.00  
*Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454*

### Music-X 1.1

The original Music-X has been updated to Music-X 1.1. Along with some fixes we have also enclosed a control mapper, velocity sculpting, and multiple serial support. Upgrades available to registered users. Music-X 1.1 provides the most sophisticated tools for manipulation of the MIDI environment. \$299.95  
*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

### Music-X Jr.

This is a scaled-down version of Music-X. Music-X Jr. contains a sequencer, bar editor and filter page, and can use Amiga samples. \$149.95  
*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

### MusicBox A

MusicBox A, part of the Bars&Pipes Add-on Series, opens new doors in computer composition. From the musical to the technical, MusicBox A features some of the following: Accompany B+ (Tool), which creates sophisticated accompaniments using chords and rhythms; Amazing Grace Notes (Tool), which performs grace notes and turns; ARexx In (Tool), which works in tandem with Controlled Bypass Send and Time Bypass Send. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95  
*The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

### MusicBox B

MusicBox B, a member of the Bars&Pipes Add-on Series, contains the following Tools and Accessories: Alternator (Tool), which sends every other note to a different track; Arpeggi-8(Tool), which allows you to create arpeggios, drum patterns, and strumming effects; 4 CheckPoint MIDI and Ins and 4 CheckPoint MIDI Outs (Tools), which in conjunction with The Serial Solution provides 80 separate MIDI channels for Bars&Pipes. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$59.95  
*The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

### PIXOUND™

Pixound is a radical new concept in musical software, transforming visual art into music. Unlike other programs which provide the computer equivalent of a light show, Pixound allows you to use the musical fingerprint of any image to create, play, and record complex new music. The novice musician or computer user can move from Bach to Rock by simply moving the mouse. The virtuoso, too will thrill at the Pixound adventure of playing a new and unique instrument with every new screen. \$99.00  
*Hologramophone Research, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

### ◆ PatchMeister

A generic patch-librarian, designed to work with or without Bars&Pipes Professional. Includes over 20 specific drives plus the ability to easily adapt to any synthesizer. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$99.00  
*The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

### ● Personal Music Librarian

Comprehensive music collection management system. Easy, flexible data retrieval; search by any item or combination thereof. User-definable fields, categories, subcategories, and media. Handles album and selection info. Serious collectors may track cost, value, and condition. Powerful, menu-driven report writer. Design your own printouts and labels or use those included with PML. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 1.3 or 2.0 compatible. \$75.00  
*Personal Database Applications, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037, (404) 242-0887*



## ◆ Pro Studio Kit

The Pro Studio Kit, which requires Bars&Pipes Professional, is designed to accommodate the needs of professional Amiga musicians. It includes Articulation Modifier, DeFlam, DeGlitch, Event Smoother, Feels Good, Jump Start, Note Converter, Note Filter, Note Mapper, Pitch Bender, Remote Patch, ReTranscriber, Strrreeetttch, SuperSetUp, and Velocity Controller. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$69.95

The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514

## Quartet

A power of a synthesiser and four-track sequencer. With Quartet, your Amiga becomes a four-voice polyphonic synthesiser and recorder. Allows playback of up to four instruments simultaneously. Quartet makes four channel composition easy, allowing easy production of commercial quality music. \$59.95

MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

## QuasarSound

QuasarSound gives Amiga owners the ultimate stereo sampling/sound editing system! QuasarSound can save real-world sounds in IFF format for any use in any music program that supports IFF or 8 SVX sounds. Samples will work with DeluxeMusic, Sonix, Soundscape, Dr. T's KCS 1.6A, Dynamic Drums, and many more! The program features include high and low pass filter operations, powerful editing features such as cut, paste, copy, and visual editing, changeable pitch and volume, special effects, and more. All commands are executed through an easy-to-use graphic interface. QuasarSound supports all popular Amiga parallel sound samplers. QuasarSound's unique feature is the ability to create long playing play disks. By sampling directly to diskette, you can record sampled sounds longer than the capacity of your internal RAM on up to four disks at the same time to create auto-boot play disks. \$59.95

Centaure Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## ◆ Quest Editor/Librarian

Quest Editor/Librarian to develop and store sounds for the Proteus, Ensoniq, Kawai, Korg, Roland, Yamaha, and Casio. Call for specific models supported. AmigaDOS 2.0 compatible; NTSC/PAL available. \$99.00

Sound Quest, Inc, 1573 Eglinton Ave. W, Ste. 200, Toronto, Canada M6E 2G9, (800) 387-8720

## ◆ Quest I: Texture

Original Modular Recording, record, edit, and assemble your music in convenient blocks called patterns. Ninety-six patterns of arbitrary length up to 545 beats, 2304 independent sequences, 24 tracks X 96 patterns, 99 links for songs. Create music without having to stop. Full real-time interaction; all 16 MIDI channels may be controlled simultaneously; comprehensive screen window display. Simple Mouse/menu/keystroke interface, and more. NTSC/PAL. AmigaDOS 2.0 compatible. \$150.00

Sound Quest, Inc, 1573 Eglinton Ave. W, Ste. 200, Toronto, Canada M6E 2G9, (800) 387-8720

## ◆ Quest II: Texture

Professional sequencer for the Amiga computer. Features include modular recording, 24 tracks, edit display, MIDI output remapping, swing function, enhanced Amiga interface, linearize function, and clipboard. Includes all the features of Quest I plus 96 patterns of arbitrary length up to 2728 beats, multiple MIDI Channels per track, Quantize-3 new methods of affecting note duration, panic button, and much more. NTSC/PAL; AmigaDOS 2.0 compatible. \$225.00

Sound Quest, Inc, 1573 Eglinton Ave. W, Ste. 200, Toronto, Canada M6E 2G9, (800) 387-8720

## ◆ Sequel

A competitively-priced music sequencer for the Amiga. Sequel is a mid-level sequencer for both home and studio. At home, its multi-track recording and editing will add to the recreational and educational value of any home keyboard or digital piano. In a production setting, Sequel's friendly

and efficient interface will speed operations and leave more time for creating music. Supports standard MIDI and IFF files, SMPTE and MIDI sync, and stereo Amiga sounds. To be released in the fourth quarter of 1991.

Diemer Development, 12814 Landale St., Studio City, CA 91604, (818) 762-0804

## SoundScape Pro MIDI Studio

Recording studio environment provides complete facilities for routing, recording, editing, transposition, and playback of any musical performance from both the internal sampled sounds of the Amiga, and/or any external MIDI equipment. Features infinite note and track MIDI sequencer, MIDI Patch Panel links program modules, supports Song Position Pointer to sync with other MIDI clocking systems, MIDI sequence and song editing, and step entry for easy note-at-a-time recording/editing. Echo and Trigger modes provide special sequencing effects. Also integrates with the AmiGen genlock for creating music videos. \$179.95

Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015, (408) 741-0117

## ◆ Stereo Master

Features include built-in real time special effects, programmable special effects, fast fourier transform 3-D display, built-in twin stereo spectrum analyzer, built-in sample sequencer for up to 18 samples, real time and step time entry of score on sequencer, twin oscilloscopes, full-featured editor, new style stereo cartridge, PAL/NTSC full screen display, real time record/play marker, and fully multi-tasking. SFX include echo, reverb, flange, chorus, pitch up/down, stereo bounce and more. Includes cable and multiple filters. NTSC and PAL. \$39.95. \$69.95

MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

## Synthia II

Synthia II is a complete Sound Synthesis and Processing Studio (Sound Synthesis, Effects Processor, Visual Editor, and File Interface) for your Amiga. \$124.95

Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620

## Synthia Professional

A 16-bit synthesizer effects processor, visual editor, and sampler/file interface. Creates single and multi-sample instruments for use with most music programs or your favorite MIDI Keyboard Sampler. \$395.00

Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620

## The Hyperchord Music Exploration Kit

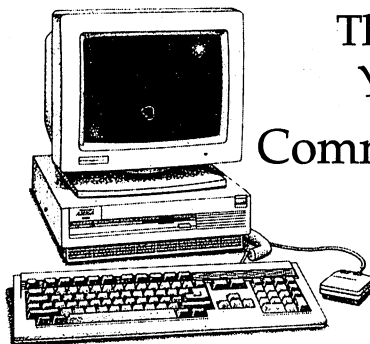
The kit consists of a disk of four interrelated programs, centering around Hyperchord. Other programs include Mode Maker, Rhythm Maker, and Holistic Window. With Hyperchord you can create, store, and manipulate RIFFs in real-time. In design mode create anything from simple scale runs to complex RIFF waves. Play mode allows you to improvise and loop any of the RIFFs. Customize modes in Mode Maker. Spectral colors are used to show the tonal relationships of the notes. The unique 3-D interface and the graphics alone make this a fascinating and fun program to use. \$129.00

Hologramophone Research, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## The Mandala Virtual Reality Authoring Software/Mandala

The ultimate human interface/multimedia tool. A video camera passes your real-time, live image into virtual realities created with this complete animation/video/music package. Viewing yourself on TV, manipulate animation and sound effects with your 'live video image.' Supports video laserdisc for high-end worlds. Comes with example scenes and mouse command authoring interface to create your own. Additional pre-fabricated VR's available from Vivid's library. Supports IFF pics, brushes, sounds; anims, sprites, AREXX, MIDI, multi-state animation, universal variables, live video game construction, etc. Compatible with all Amigas. Requires A2 'Live' Digitizer. \$495.00

Vivid, Inc., 317 Adelaide St., West Suite 302, Toronto, Ontario, Canada M5V 1P9, (416) 340-9290



Thank  
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Commodore!

The A-3000 and A-500 Power-Up programs were a great success and with 2.0 on the way, being an Amiga dealer or owner never looked brighter!!

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**396 Washington St., Rte 16**  
**Wellesley, MA 02181**  
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## Tiger Cub

A 12-track sequencer with real-time graphic editing and instant standard musical notation for display and printout. Fully MIDI compatible, yet no MIDI is required. For the beginner as well as the semi-professional. \$139.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## ◆◆ Tootorial Kit

The Tootorial Kit, which requires Bars&Pipes Professional, is designed to instruct and inform users of Bars&Pipes Professional. The Kit contains several tutorial lessons which explain Bars&Pipes Professional's exciting and innovative features in a step by step manner. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$69.95

The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514

## ◆ VocoderFX™

An audio sample signal effects processor and explorer. Take sound files of two sounds and combine them in unique ways to discover new timbres and tones. Great alien sounds. Explore effects. NTSC available now; PAL in January 1992. \$29.95  
Pacific Digital Effects, 6 Stetson Drive, Kentfield, CA 94904, (415) 457-8448

## ◆◆ EDITOR/LIBRARIAN ◆◆

### 4-OP Deluxe

Graphic editor librarian for the TX81Z, FB01, DX100, DX21, and DX27. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

### Audition 4

An advanced 8-bit sample editor continues where AudioMaster III left off. 100% Assembler. Realtime zoom. Incredibly fast scroll. Freehand edit. Sequenced loops, realtime effects include echoes, hi pass filter, low pass filter, band pass filter, stop band filter, mix, flange, fade, VU meter, and oscilloscope. Editing functions include cut, copy, paste, delete, keep, invert, filter, echo, mix, fade, tune, and many more. \$99.95  
SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008, (408) 374-4962

### C-ZAR

Editor librarian for Casio CZ-101, CZ-1000, and CZ-1 synthesizers. Includes 200 pro sounds; easy start up; automatic loading, saving, and cataloging of disk sounds. Cut and paste, duplicate, rename and delete sounds, banks, and disk files. Overlays large, color-coded, and dragable sound envelopes on a logarithmic time display. Continuous display and sound updating, flexible undo feature. Mouse operation features intuitive panel displays. A 200-note sequencer; 80-page indexed manual. Much more. \$99.00  
Diemer Development, 12814 Landale St., Studio City, CA 91604, (818) 762-0804

### CZ Rider

Graphic editor librarian for the Casio CZ series of instruments. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

### Caged Artist D110 Editor

Multitasking graphic editor librarian for the Roland D-110. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

### DWEL

DWEL is an Editor and Librarian for the Korg DW-8000 Synthesizer that uses the advanced computing environment of the Amiga Computer, and uses a MIDI interface to connect the two. DWEL has two different screens, one the librarian, the other is a patch editor. DWEL's librarian is an advanced system for storing, retrieving, arranging, and sending patch (instrument) sounds through MIDI. The Editing features of DWEL are simple and logical, but also very powerful. It is no longer necessary to remember parameter numbers and settings to alter or create sounds. DWEL's editor graphically illustrates all characteristics of the patch's sound. \$79.00  
Barry Weber, P.O. Box 360, Albany, MN 56307, (612) 845-4755

### DX Heaven

Multitasking graphic editor librarian for the Yamaha DX-7, TX7. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## ESQ-1 Caged Artist

Multitasking graphic editor librarian for the Ensoniq ESQ-1. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## ESQapade

Multitasking graphic editor librarian for ESQ-1 and SQ-80. From Ensoniq. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## Kawai K-5

Multitasking graphic editor librarian for Kawai K-5. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## Kawai-1 Caged Artist

Multitasking graphic editor librarian for the Kawai K-1 series. Modifies sounds that the instruments make, and saves them for you. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## Oberheim Matrix 6/1000 Caged Artist

Multitasking graphic editor librarian for the Oberheim Matrix 6/1000. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## PCM-70 Caged Artist

Multitasking graphic editor librarian for the Lexicon PCM-70. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## Roland D-50 Caged Artist

Multitasking graphic editor librarian for the Roland D-50. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## Roland MT-32 Caged Artist

Multitasking graphic editor librarian for the Roland MT-32. Point-and-click editing of all parameters. Requires MIDI interface. \$59.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## ◆ X-OR

The Universal System Exclusive Orchestrator for Commodore Amiga Computers. Full-featured Generic Editor Librarian. X-OR can be configured to match a user's complete setup and automate all MIDI data communication. By taking a 'snap shot' of a user setup, X-OR treats all MIDI devices as one instrument, offering superior value and unparalleled control over multi-instrument setups. Other features include support for over 90 MIDI instruments, graphic editing, database sound search, automatic MIDI patch bay switching, patch randomization, blending features, and much more. \$325.00

Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## ◆◆◆ PERCUSSION ◆◆◆

### Drum Studio

Drum Studio turns your Amiga into a powerful dedicated drum machine! Each sound has 16 different volume and pitch controls providing over 5000 different drum sounds in memory. Features include up to 100 patterns in memory; real time indicator to allow easy volume and pitch adjustment; adjustable BPM (beats per minute) from 30 to 240; keyboard template for quick reference; plus many more features. \$14.95  
DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733

## ◆◆◆ PROGRAMMING ◆◆◆

### ● Aegis Visionary

Don't just wander around in graphic or text adventures, build them! Visionary makes it simple. Over 10,000 rooms, objects, and subroutines. More than four billion characters of text can go into your adventure! Supports IFF images and ANIM files. Workbench 2.0 compatible. Available Summer 1991. Price TBA.  
Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227

## Bach Songbook

Data disks for sequencer. Songbook contains two-part inventions, three-part sinfonia, and four-part fugues. \$29.00  
Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## ◆◆◆ SONGS ◆◆◆

### Aegis SoundTrax I and II

Play along with or study this library of Sonix compositions. Includes tips on how to create your own Sonix scores! Use special pre-programmed instruments to enhance your own compositions. Volume I includes Top 40 and Blues, while Volume II includes Fifties-style compositions. \$19.95  
Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227

## ◆◆◆ SOUNDS ◆◆◆ AND INSTRUMENTS

### Amiga Clips, Volume 1: Sound Effects

Amiga Clips is a software tool created for use with AmigaVision. The two-disk set includes over 50 different digitized sound files which users can add to their multimedia AmigaVision presentations. The sounds can also be used to give audio feedback to key presses or mouse clicks in interactive AmigaVision applications. Amiga Clips is also compatible with any Amiga software program which supports 8SVX format sounds. Categories of sound effects on the disks include animals, auto, bells and whistles, clocks, drink, human, phone, techno, voice, and weather. \$29.95  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### Background Rhythm Patterns 2.0

Background Rhythm Patterns is a collection of over 157 popular sequenced background rhythm patterns for virtually all styles of music. These patterns were developed exclusively for MIDI sequencer owners who need a variety of professionally arranged background rhythm accompaniments to use for creating their original songs. Each pattern includes bass, piano, drums, and percussion. All styles of music are included, as is an extensive user's manual. A multitimbral synthesizer or sound module and a sequencer are necessary. \$45.95  
New Sound Music, P.O. Box 37363, Oak Park, MI 48237, (313) 355-3643

### FAT SOUNDS

Here are three disks filled with 8SVX new and original Amiga digitized sampled sounds. They have been tested with a dozen Amiga music and hypermedia programs, and are the first of planned library of new samples. The sounds can be used either as-is to help Amiga musicians create their music, or each sample can be edited further in an Amiga sound editor to produce even more variable results. These are not repeats of previous Amiga sample releases. \$59.95  
EyeFull Tower Comm./EarFull Tower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293

### Jazz Through MIDI 2.0

Jazz Through MIDI is a new jazz improvisation course designed to teach jazz using a MIDI set up. It features 60 jazz patterns and solos for beginning, intermediate, and advanced levels. Many different styles of jazz are featured. A rhythm section accompaniment consisting of bass, piano, and drums is provided for each solo. Simply select a sequence with a riff that you want to learn, and then begin to practice the solo line along with the provided solo and accompaniment, using a tempo that is comfortable for you. Requires a multitimbral synthesizer or sound module. \$49.95  
New Sound Music, P.O. Box 37363, Oak Park, MI 48237, (313) 355-3643

### ◆ Soundtracks for MIDI

A collection of 90 multitrack sequences that can be used for Multimedia Presentations, Film, TV, Video, and Radio. Soundtracks is fully orchestrated and offers music for any style or mood. Everything from string quartets to electronic and contemporary dramatic tracks are provided. All of the compositions are original works, and the user is granted full rights and permission to use any of the songs presented in any way he wishes. A manual is included along with chord charts for each sequence. Supplied as Type 1 standard MIDI files. Specify Amiga format. Requires a MIDI keyboard or module capable of playing back on at least 6 MIDI channels. \$49.95  
New Sound Music, P.O. Box 37363, Oak Park, MI 48237, (313) 355-3643



## ♦ ♦ ♦ TUTORIAL ♦ ♦ ♦

### Aural Intervals

Recognizing the distance between two pitches is the first technique taught in ear training. Correctly hearing and identifying intervals takes practice and a trained ear. It is also a skill that is awkward to practice by yourself. Now with the help of Aural Intervals and your Amiga computer, ear training is as simple as a video game. Aural Intervals randomly selects an interval and then randomly selects the lowest pitch to begin the interval on. The Amiga plays the sound for you. If you don't get it on the first try, press the play again button and the interval will be repeated. If you're not sure what it is, ask Aural Intervals to hint at the darkness or brightness of the intervals quality. If still unsure, inquire whether the interval is greater or less than a Perfect 5th. As a last resort, select the Melody Hint button and Aural Intervals will play a short melody that is identified with the interval. Aural Intervals is a positive and reassuring method to master the art of interval ear training. \$19.00  
Barry Weber, P.O. Box 360, Albany, MN 56307, (612) 845-4755

### Guitar Chords

Guitar Chords is a program for the Amiga that will tutor a beginning guitar student in learning and correctly playing chords for the guitar, by illustrating the correct fingering on the Amiga's screen. Finger numbers and color schemed dots clearly show fingerings. Guitar Chords is designed for the student to have the guitar in hand while running the program. The Amiga sounds the notes of the chord so that the student hears instantly if he has fingered the chord correctly. Also, tuning is a breeze as Guitar Chords plays the correct pitch for each string. All Major, Minor, Major7, and Minor7 chords are included in the program. \$39.00  
Barry Weber, P.O. Box 360, Albany, MN 56307, (612) 845-4755

### ♦ Miracle Piano Teaching System

The Miracle utilizes a smart and interactive network with Artificial Intelligence software to teach children and adults how to play the piano. The program begins by using an assortment of entertaining video games, progressive lessons, and various musical pieces to teach the fundamentals of piano technique. Based on the player's individual needs and pace, the Miracle will customize piano lessons. The system will analyze the player's performance and modify the next lesson to concentrate on the player's weaknesses. The Miracle System includes the appropriate software cartridge or floppy disk with the various lessons and games, a corresponding Miracle Cable to connect the keyboard and the video monitor unit to allow interface, and a state-of-the-art electronic piano keyboard. \$479.95

Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000

### Performance

Database system for performing musicians that tracks MIDI information (synth presets, patch banks, sequences, etc.) for songs in repertoire to automate MIDI setup. Includes a MIDI file sequence player. Contains set-building tools to organize material for live performances. Database is entirely user configurable, is mouse driven, supports standard MIDI files, and runs in both interlace and non-interlace modes. The song selection features a large font easily readable from a distance of up to 30 feet from the screen. \$165.00

Pregnant Badger Music, 10010 Biscanewoods Way, Sacramento, CA 95827, (916) 361-8217

### Real-Time Sound Processor

The Real-Time Sound Processor features Echo, Reverberation, AM and FM Modulation, Vibrato, Overdrive, Stereo Function, 512K sufficient, and MIDI channel selection for Amiga 500/1000/2000. Your creativity combines with the Amiga's amazing musical capability to produce unlimited original sound effects. Choose from PRESET parameters to recreate well-known sound effects, or choose from the fully flexible parameters to create your own new sound effects. All sound processing occurs instantaneously—the samples do not have to be saved previously. You need no musical training to use this software.

Adept Development, P.O. Box 20, 1000 Lausanne 5, Switzerland, (011) 4121-312-1202

### Sound Lab Amiga

A complete visual editing program that features extensive visual waveform and voice parameter editing, powerful audio processing, graphic looping aids, and a unique wavesample librarian for the Ensoniq Mirage Digital Sampling Keyboard. A complete MASOS implementation provides fast editing

and processing functions without lengthy wavedata transfers. In addition, unique features like interpolation and compression improve sample quality. \$295.00

Blank Software, P.O. Box 6561, San Francisco, CA 94101, (415) 824-3756

### Utilities #1

Eight additional modules for SoundScape: Mouse Bender, System X, Frame Counter, Fuel Gauge, Clock Divider, and more. \$49.95  
Blank Software, P.O. Box 6561, San Francisco, CA 94101, (415) 824-3756

## ♦ ♦ ♦ UTILITIES ♦ ♦ ♦

### Aegis AudioMaster IV

Sample and play sounds at a true 56,000 samples per second in stereo. AudioMaster will drive every parallel-port digitizer now available for the Amiga—often with higher sampling rates than the digitizer's own software. But its true strength is the ability it gives you to edit, sequence, and store in compressed format the sampled sound files you create by digitizing real-world sounds. New features include two to four times oversampling, including CD Player and PlaySound programs; Pitch vs. Time Stretch and Compress; digital filtering; Real-time Pitch Bend, Zoom, Telephoto, and Scroll; improved File Requester, Audio Disk Jockey for fingertip control of up to 180 sound files; and much more. \$99.00

Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227

### SMUS2T

This CLI-based utility converts SMUS music score files to Dr.T's KCS/MLS format, suitable for loading into Dr.T's KCS or MCS sequences. \$9.95  
S & B Software, 6503 SW 46th Pl., Portland, OR 97221, (503) 244-5029

## ♦ ♦ ♦ MISCELLANEOUS ♦ ♦ ♦

### DNA Music

Plays music based on DNA sequences. Features menu choice of DNA, speed, tone, and channel. Two octaves in the key of C. \$19.95  
Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583

### Fractal Music

Music based on fractal mathematics. Two octaves in the key of C, graphics of filled polygons, and 640 x 240 resolution. \$19.95  
Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583

### Pattern Splatter

Random-sequence generator that deals with arpeggiation patterns, randomizes various MIDI parameters within user-controlled ranges. \$49.95  
Mimetics Corporation, P.O. Box 1560, Cupertino, CA 95015, (408) 741-0117

### Protein Music

Plays music based on protein amino acid sequences. Menu choice of protein, speed, tone, and channel. With two octaves. \$19.95  
Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583

### RXMix

A 16-channel programmable mixer for Yamaha RXII drum machines. \$79.95  
Pregnant Badger Music, 10010 Biscanewoods Way, Sacramento, CA 95827, (916) 361-8217

### Rules for Tools

Now you can create your own tools from scratch using this comprehensive guide to the ins and outs of Bars&Pipes. Rules for Tools, part of the Bars&Pipes Add-on series, includes over 100 pages of documentation plus plenty of source code examples. To order your copy of Rules for Tools, send a check or money order. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$49.00

The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514

### Waveform Easel

Use the mouse to draw any curve to define waveform tables that the Amiga uses to make sounds. \$19.95  
Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583

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## Service Management Group, Inc.

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# Education

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## ♦ ♦ ♦ EDUCATION ♦ ♦ ♦ GENERAL

### ● A Long Hard Day on the Ranch

Desperate bandits, runaway cattle, and broken toes hold no terrors for our imaginative hero. This tall tale shows how a young boy imagines his days at his uncle's ranch—while accompanying illustrations show the more mundane reality. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

### ● BlackBox

Hide up to eight atoms somewhere inside a rectangular 8 x 8 grid. Shoot high energy particles into the sides of the BlackBox, see where they come out and try to find the correct positions of the higher atoms. Scoring depends on your speed and the number of shots required. Has full on-disk documentation. AmigaDOS 2.0 compatible. \$24.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

### ● Cinderella—The Original Fairy Tale

A poor but beautiful young girl wins the heart of a prince—with a little help from her fairy Godmother. The story of how kind-hearted Cinderella gets the better of her selfish step-sisters is a classic that generations of adults and children have enjoyed. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

### ● Circle of Success

Wheel of Fortune clone that allows one to four players. Easy creation of custom data files. Build a file of famous chemists, or Spanish words, or whatever. AmigaDOS 2.0 compatible. \$24.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

### ● Cross Poker

Place cards in five rows by five columns. Place the cards to create the best possible combinations of hands in both horizontal and vertical directions. Think ahead strategy. AmigaDOS 2.0 compatible. \$24.95

*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

### Crossword Construction Set

An excellent vocabulary builder. Create and edit custom word lists, or use those that come with the game. Generate crossword puzzles and word search puzzles. Games can be played on the computer, or printed to the printer for use as an educational tool, or just plain fun. Also print answer keys for use in classroom settings. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

### Designasaurus

Three programs in one! Walk-A-Dinosaur, where the user walks either a Brontosaurus, Stegosaurus, or Tyrannasaurus Rex through three ages. Build-A-Dinosaur by combining a head, neck, tail, and body from several different real dinosaurs, and Print-A-Dinosaur, where twelve dinosaurs can be printed out in their natural habitat along with a description. Using DeluxePaint by Electronic Arts, color your favorite Dino and print the creature out. \$49.95  
*Britannica Software, 345 Fourth Street, San Francisco, CA 94107, (800) 572-2272*

### Discovery 2.0

Game disk with math or spelling. Save the Starship Discovery by guiding crew members through the starship and answering questions. Avoid the aliens, collect fuel crystals, and save the ship. Easy playability and compelling graphics. Game disk in math or spelling; expansion disks in Trivia 1 and 2, Science, History, Geography, Spelling 1 and 2, Math 1 and 2, Math Concepts, Language, and Social Studies. Now includes hard drive installation, five spaceships to explore, and questions that use pictures or sound. \$39.95  
*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

### ● Distant Suns 3.0

Version III of the award winning Galileo planetarium simulation. Distant Suns won the '88 CES (Computer Electronics Show) award for the most innovative educational product and Amazing Computing's best educational product for '89. DistantSuns turns your Amiga into a planetarium. The sky can be viewed from any place on Earth or from the North Pole lying on your back looking upward in planetarium mode. The program accurately replays 10,000 years of what the sky looked like and it projects 10,000 years into the future. It is a very beautiful and realistic color simulation of the sky created by R. Mike Smithwick, a NASA astronomer, and published by Virtual Reality Laboratories. Galileo (now DistantSuns) is fun, in addition to being powerful and visually stunning. Requires 512K. 2.0 compatible. Requires 512K NTSC; 1MB PAL. Upgrade to DistantSuns 4.0 for \$30.00 plus a registration card. \$49.95  
*Virtual Reality Laboratories, Inc., 2341 Canador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### ◆◆ Distant Suns 4.0

DistantSuns 4.0 brings desktop astronomy and space travel to any 1MB Amiga with at least two floppy disk drives. Version 4.0 adds many new features to an already great 3.0 version: ARexx support, multiple resolution support (interlaced, overscan), animation capability, full screen (not overscan) astronomical photo display keyed to selectable objects, and the ability for the user to put his or her eyepoint up to 400 astronomical units from the sun on any plane. There are more basic stars and a disk of medium resolution images included. Over 2,000 deep sky objects are in the basic data sets. Eclipses are more accurate and pretty to view, and the program can be extended up to

255,000 with VRLI supplied databases. The user can enter his or her own data virtually without limit. Comets and asteroids are included and can be added. Improved fonts make the program more readable and a more subtle color palette is used to give 4.0 a more professional look. Four different program disks may be selected to obtain the one best suited to the user's machine: AmigaDOS 1.3 or 2.0 and either FFP (software floating point) or FPU (hardware floating point) may be selected. NTSC or PAL version available. Upgrade available direct from VRLI. \$99.95

*Virtual Reality Laboratories, Inc., 2341 Canador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### Distant Suns-Space Visions

Space Visions is a series of IFF images selected by Mike Smithwick, author of DistantSuns. Space Visions may be viewed with DistantSuns 4.0 or any program which allows viewing of IFF files—any paint program, for instance. Space Visions cannot be viewed with the DistantSuns 3.0. Available direct from VRLI only. These are full screen (not overscan) hi-res images. It contains 246 images and is 25 disks plus an installation disk. Includes Mars from orbit and surface (Viking mission photos); Earth from orbit (various Gemini, Apollo, and Space Shuttle missions); Mercury flyby (Mariner photos); Skylab (America's 1st space station); Space Shuttle in operation; Voyager (Photos include Jupiter, Saturn, Uranus and Neptune); Deep Sky objects; Gemini two-man mission; lunar photos by Lunar Orbiter and Apollo astronauts; historical shots from the Apollo mission. \$90.00

*Virtual Reality Laboratories, Inc., 2341 Canador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### ● Dots 2

That classic dot game that is usually played on the backs of paper placemats in better eating establishments everywhere. Connect dots on a 7 x 9 grid. Be the one to place the last side on the square and claim that square for yourself. Plenty of sound and two-player tension/action. AmigaDOS 2.0 compatible. \$24.95

*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

### ● Heather Hits Her First Home Run

The bases are loaded, her friend Jeffrey is on third, and everyone is calling for a home run as she steps up to bat. All in all, it's a pretty frightening moment for Heather—but she comes through. This story tells of how children feel in life's crucial moments. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

### Hyperchord 2.0

Hyperchord is a dynamic riff sequencer, designed for professional musicians but addictive fun for amateurs (teachers take note). The principle behind Hyperchord is that most music is based on short themes and motifs, which are then varied in rhythm, pitch, and order to create larger musical movements. Hyperchord lets you create riffs (sequences) of up to 40 notes using such original features as Riffwaves, Weave, Smear, Rotate, and Expand; then store and manipulate in real time, varying pitch, speed rhythm, volume, note order, orchestration, harmonies, and thrill. For intense riffing, switch between 60 user-defined scale modes and 40 rhythms, or employ unique cyber-musical tools such as Holistic Play and Vector Play. Three utilities included: Mode Maker, Rhythm Maker, and Holistic Window. \$159.00

*Hologramophone Research, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*



## ● Idhan II

A classic marble game played on a cross-shaped playing field. The object of the game is to jump marbles in such a manner as to remove as many marbles from the playing field as possible. Great graphics. Play against the clock and other opponents to achieve the lowest number of marbles. AmigaDOS 2.0 compatible. \$24.95

*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## McGee

A no-words software program designed for children, ages two through five years old. Using the mouse, youngsters guide a little boy named McGee throughout his house, playing with toys and getting into mischief along the way. By clicking the mouse on graphic icons on the screen, children initiate animated sequences and digitized sound, or send McGee into another room for more adventure. \$39.95

*Lawrence Productions, 1800 South 35th Street, Galesburg, MI 49053-9687, (800) 421-4157*

## McGee at the Fun Fair

Like our other no-words software for pre-schoolers, Fun Fair is a program where youngsters decide what they want to do next. They can watch the clown make balloon shapes, the juggler juggle, get a popsicle from the ice cream vendor, play on playground equipment, and enjoy many other fun activities—all with wonderful, animated graphics and digitized sound. These programs encourage children to explore and reinforce their sense of discovery. \$39.95

*Lawrence Productions, 1800 South 35th Street, Galesburg, MI 49053-9687, (800) 421-4157*

## McGee visits Katie's Farm

In Katie's Farm, children accompany McGee as he visits his cousin on her farm. McGee and Katie feed the chickens, watch Aunt Thelma milk the cow, go fishing at the pond and enjoy many other fun activities. Our no-words software programs for pre-schoolers make getting acquainted with the computer an empowering and confidence-building experience. They are also very effective with ESL and autistic children. Requires 1MB of memory. \$39.95

*Lawrence Productions, 1800 South 35th Street, Galesburg, MI 49053-9687, (800) 421-4157*

## ● Moving Gives Me A Stomach Ache

Moving is not easy for anyone, but for a little boy it is especially hard. This is a warm, sensitive story that explores children's feelings about moving and shows them that it's not so bad after all. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

## ● Mud Puddle

Have you ever wondered how kids get so dirty? Meet a walking mud puddle and see how it continually ambushes one little girl—until she gets the better of it. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

## ● Periculum

Jeopardy-like game. Allows two players to go head-to-head, one on the mouse, and the other on keyboard or joystick. As questions are flashed on the screen, the first player to press the button is given an opportunity to answer. A manual over-ride is provided to allow the acceptance of answers that are correct but are judged incorrect by the program. It is easy to create new game files about any subject. Sign-in with the mouse just like on TV. AmigaDOS 2.0 compatible. \$24.95

*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## ● Personality

This administers a series of 70 personality questions based loosely on the Myers-Briggs assessment tool. Done with clever graphics, the user responses are analyzed and the user's personality type (i.e., ISTJ) is displayed and described briefly. Great for starting a discussion of different personality types and learning styles at the beginning of the year or course. AmigaDOS 2.0 compatible. \$24.95

*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## Poco Man

A strategy game with arcade-type sounds and actions. Solve up to 50 different levels. Joystick or keyboard play. Hours of enjoyment while building analytical and problem-solving skills. A new concept in Amiga games. \$39.95

*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

## ● Power Spell

Fully animated, five program, two-disk package featuring recognition and retention skills exerciser, sight reading enhancer for the younger set, phonic relationships, spelling session creator/editor, automatic error logging and recall feature, 106 exercise files, 69 predefined training files, 35 user files, 11,000+ word dictionary with over 600 definitions and/or word usage explanations, digitized sounds and animated narration throughout, precisely articulated speech, on-line help feature, AmigaDOS 2.0 compatible, NTSC/PAL, ages 4 thru adult, and a satisfaction guarantee. \$49.95

*Precision Learning Systems, 104 Rye Dr., Waldorf, MD 20601-8967, (301) 645-1061*

## ● Ready Robot Club Monthly Disk

For families with kids 5 to 12. Any Amiga. 1.2, 1.3, 2.0. New Faster Interface. 1.4MB of educational fun every month. No P.D. or Shareware. All original programs, graphics, sound. Three easy mouse-operated menus. Global speech toggle. Stories, Field trips, Science experiments, Music, Projects, Reviews, Parents' corner, Space update, Vocabulary and more. Games/tests: Memory concentration, Picture puzzle, Connect numbers, Maze, Find the words, Slider puzzle, jokes, and riddles. Access to software for specific age groups. USA: \$36/6mos., \$65/12mos. Canada: \$40/6mos., \$73/12mos. Others: \$44/6mos., \$81/12mos. Single sample disk \$10.00.

*Signs Etc. by D. Knox, P. O. Box 628, Carmichael, CA 95609, (916) 944-4282*

## Rover

Rover is a software product that allows an Amiga computer to organize a school's satellite or cable-feed audio visual system. It schedules VCR's and automates the school's satellite and cable equipment with built-in instruction manuals. The system can be set up to communicate with almost any type of IR controlled equipment. \$99.00

*Heifner Communications, Inc., 4451 I-70 Dr. N.W., Columbia, MO 65202, (314) 445-6163*

## ● Scary Poems for Rotten Kids

Whether you are frightened by goblins or Gerbelgeks, fog phantoms, or even the dreaded pocket monster, you'll find lots of chuckles and chills in Scary Poems for Rotten Kids. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

## ● SortMaster

This program provides discussion and illustration of the bubble, Replacement, Delayed Replacement, Shell, Heap, and Quick sorts. Textual material describing each sort may be displayed and a dynamic graphic representation of the data is updated continuously as the selected data is being sorted. On-screen graph displays efficiency of the various sorts as the number of items being sorted increases. AmigaDOS 2.0 compatible. \$24.95

*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## The Magic Mirror

A toolbox for your mind. Many ideas and strategies are given to help you create a deeper understanding of the many forces affecting your life. If you like what you find, no problem; if not, you change, using the powerful techniques found here. The program keeps track of your progress. \$39.95

*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

## ● The Paper Bag Princess

Once upon a time a beautiful princess and a handsome prince lived in a castle. Suddenly the castle is destroyed by a fierce dragon, the prince is carried away, and the princess is left with only a paper bag to wear. This story has all the elements of a traditional fairy tale but with a contemporary twist—the princess is the heroine. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

## ● The Tale of Benjamin Bunny

Benjamin Bunny and his cousin Peter Rabbit visit Mr. McGregor's garden to retrieve Peter's clothes-left there on a previous visit. Their expedition is going well—until they are trapped by a nasty cat. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

## ● The Tale of Peter Rabbit

This is the classic tale of naughty Peter Rabbit, written and illustrated by Beatrix Potter. Follow Peter as mean Mr. McGregor chases him around the garden, into a gooseberry net, and even through a window. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

## ● Thomas' Snowsuit

Children and adults—especially those who have tried to get feisty kids into clothes they don't want to wear—will appreciate the story of Thomas' Snowsuit. Watch how everyone tries to get Thomas into his detested new snowsuit, and see how they all end up wearing it instead! As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

## ● Traversal

Amiga version of 3Mbox game, Twixt. Two players head for opposite sides of mountain top (really a hexagonal grid) trying to be the first to create a complete and unbroken path of flags from edge to edge. The setting is an unnamed mountain top somewhere in the Himalayas. But watch out for that flag eating Yeti! Handicapping allows for players of differing abilities to play with some uncertainty of the outcome. AmigaDOS 2.0 compatible. \$24.95

*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

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# Education

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## ● X-It

A two-dimensional game designed to increase a student's familiarity with the Cartesian co-ordinate system. Two randomly chosen lines of differing slopes intersect within an 11 x 11 grid. The purpose of the game is to find the intersection of the lines. Four different colored marbles are hidden within the grid such that each color is wholly contained within one of the four quadrants created by the two intersecting lines. Clicking on the grid reveals a colored marble. Score is based on the number of seconds and marbles used. AmigaDOS 2.0 compatible. \$24.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

## ◆ ◆ ◆ BIOLOGY ◆ ◆ ◆

### Biology By Martha: Human Biology CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition. One disk. \$79.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

### Biology By Martha: Human Biology HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high-school edition. One disk. \$39.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

### Biology By Martha: Invertebrate Animals CE

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### Biology By Martha: Microbiology CE

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### Biology By Martha: Microbiology HSE

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*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

### Biology By Martha: Plants CE

Provides graphics, explanations, and tests for self-study and reference. This is the college edition. One disk. \$79.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

### Biology By Martha: Plants HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high-school edition. One disk. \$39.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

### Biology By Martha: Reproduction CE

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*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

### Biology By Martha: Reproduction HSE

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*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

### Biology By Martha: Vertebrate Animals CE

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*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

## Biology By Martha: Vertebrate Animals HSE

Provides graphics, explanations, and tests for self-study and reference. This is the high school edition. One disk. \$39.00  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

## Biology by Martha College Edition

Combination human-biology and microbiology. \$199.95  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

## Biology by Martha High School Edition

Combination human-biology and micro-biology. \$99.95  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

## Birds 'N' Bees

Facts of life instruction for children ages 7 to 12. Parents can set the computer for the age and sex of the child, and can control the amount of information the child receives. There is a question-and-answer section, as well as a dictionary portion. \$14.95  
*Intracorp, Inc., 14160 S.W. 139th Court, Miami, FL 33186, (800) 468-7226*

## ◆ ◆ ◆ BUSINESS ◆ ◆ ◆

### BarPro/A Version 2.0

Bar code printing and IFF image software for all Amiga systems. Generates images of bar coded data on a medium res screen in four different sizes. Screen image of bar code symbol can be printed with or without accompanying text for importation into Amiga paint and desktop publishing programs. BarPro/A prints Code39, Code39 Full ASCII, Code93, Code93 Full ASCII, Code25, Code25 Interleaved, Code128A, Code128B, Code128C, Codabar, and U.S. Postal Zip Code (Postnet) bar code symbologies. Full ARexx interface lets you print labels from databases and name/address labels with Zip Code bar code label. \$129.95  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*  
**Please see display ad page 17.**

### Starting a New Business

Students discover the ins and outs of starting a new business venture as they make decisions about trade name, partnership agreement, incorporation, budgeting, marketing, inventory, advertising, hiring employees, raising capital, recordkeeping, taxes, and insurance. Two disks. \$59.95  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

### The Ad Game

Learning objective is to read a vertical bar graph and interpret the data for maximum results. The student is given a product to sell and profile the age groups that buy it. The goal is to use the most effective advertising medium-radio, TV, newspaper, and magazine-to reach the greatest audience. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## ◆ ◆ ◆ ECONOMICS ◆ ◆ ◆

### Spell M-O-N-E-Y

The learning objective is to identify the definitions of basic economic terms. The student's goal is career advancement and security through education and promotion. Wages and saving may increase as a part of performance evaluation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## ◆ ◆ ◆ ELEMENTARY ◆ ◆ ◆

### A Christmas Carol

Complete bookdisk of Dickens' A Christmas Carol with at least 10 illustrations and talking slide show. Two disks. \$7.00  
*Jumpdisk, 1493 Mountain View Ave., Chico, CA 95926, (916) 343-7658*

## AB-Zoo

Teaches young children, ages 3 to 6, letter recognition and develops their reading and typing abilities in an entertaining and stimulating fashion. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## ABC's

Another talking story for the Talking Storybook. Young children can learn the alphabet through enjoyable pictures and graphics. Speech, music, and digitized sounds make the story enjoyable as they learn. \$29.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

## ABCgames

Five levels of alphabet-playing fun. Exercises begin with introduction to individual letters, followed by the entire alphabet, finding letters on the screen, keyboard letter entry, and finally the spelling of simple words from modifiable lists. Tutorials on mouse and keyboard use included. Intended for pre-school to second grade users. No reading or writing skills required. ABCgames is designed specifically for the Amiga, and fully utilizes the music, speech, animation, and color capability of the computer. Requires 512K memory with mouse. Operates on Version 1.2 or 1.3. ABCgames is not copy-protected. \$30.00  
*Parth Galen, P.O. Box 482, Cold Spring, MN 56320, (612) 685-8871*  
**Please see display ad page 93.**

## Aesop's Fables

Twelve illustrated stories with reading and vocabulary questions, 800-word spelling list. Ages 6-9, 1-2 players. Four different learning games are included. You may also add your own weekly spelling lists for practice. Memory game options include matching pictures to pictures, pictures to words, words to words, or words to contractions. Uses speech and great graphics. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite 1, Las Vegas, NV 89119, (702) 597-0818*

## ● Clock Works

Version 1.1 PAL and NTSC available now. Teaches telling the time and introduces number ideas. Clocks of four sorts and shapes with digitized sound: Cuckoo, Westminster chimes, and human speech. Digital clock has 24-hour option. Works in clock-setting and question modes. PAL/NTSC, AmigaDOS 1.2-2.0 compatible. Price includes air-mail. \$24.95  
*Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473, (011) 649-405-7761*

## Coloring Disk #1-Alphabet

To be used with My Paint, Coloring Disk #1 presents all the letters of the alphabet with a corresponding drawing to color in. Each letter also has accompanying digitized speech, which enunciates the name of the letter and the object or animal next to it. All new drawings include: cake, duck, fruit, elephant, goat, kite, owl, inchworm, vegetables, xylophone, watermelon, jam, bear, and more! \$29.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## Coloring Disk #2-Majelix

To be used with My Paint, Coloring Disk #2-Majelix is a beginning reading method based on phonics and sight reading. The Majelix coloring disk provides an introduction to all twenty-nine of the Majelix characters. The names of these enjoyable characters contain all the clues to the series on phonics code. These coded names provide the child with an easily accessible unconscious reference to the phonics code. \$29.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## Crayons And Rainbows

Teaches pre-schoolers about colors in a fun game format with animated characters and colorful graphics. Requires 1 MB RAM and 2 disk drives. \$19.95  
*Trumor Company, Inc., The , 2745 201st Ave. NW, Oak Grove, MN 55011, (612) 753-5050*

## Early Math MA-902

This disk contains four programs. The learner counts steam engines or box cars and names the numeral. The student identifies the missing number in a

three-number counting sequence. A dump truck hauls answers away. The learner adds two groups of objects either by counting or by identifying the sum of their numerals. By means of objects pictured on the screen, the student is introduced to the operation of subtraction. NTSC only. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**Electric Crayon Deluxe: All Dogs Go To Heaven**  
 Simply point and click on the color palette of 24 colors out of 4,906 available, then click the crayon in the area you want to fill! The Electric Crayon Deluxe computer coloring books offer Custom Banner, Calendar, and Poster-Making capabilities, and digitized sound. Design a banner with a colored picture at each end and your personal message in the middle. Write poster messages to be displayed below your work of art, or print the picture with the computer-supplied description that will describe facts about the animal you've just colored! Make calendars and mark special occasions with 64 colored stickers enclosed in the package. See CDTV section also. \$19.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

**Electric Crayon Deluxe: At the Zoo**  
 The next best thing to being there! As each picture is accessed, a digitized sound file is played of the lion, tiger, bear, etc. You can color the picture and play the sound over and over. There is also a Description file to accompany each picture containing information and little known facts about the featured animal. Each picture can be printed in color and black and white with one of six print options, including: Custom Banner, Personalized Message, Print with Description, and Print with Calendar. A sheet of 64 color stickers is included to mark special days on the calendars. \$19.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

**Electric Crayon Deluxe: Dinosaurs Are Forever**  
 Dinosaurs Are Forever will grab the imagination of children of all ages as digitized sounds of a dinosaur are played with each picture. You can color the picture and play the sound over and over. There is a Description file to accompany each picture containing information and little known facts about the dinosaur shown. Each picture (26 total) can be printed in color and black and white with one of six print options, including: Custom Banner, Personalized Message, Print with Description, and Print with Calendar. A sheet of 64 color stickers is included to mark special days on the calendars. \$19.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

**Electric Crayon Deluxe: Teenage Mutant Ninja Turtles**  
 The Turtles' World Tour contains 30 pictures of the Teenage Mutant Ninja Turtles visiting famous world landmarks such as the Statue of Liberty, Mount Rushmore, and Stonehenge. Children can color and enjoy each picture time and time again. Print banners as well as posters and calendars of their favorite turtle scenes. \$19.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

**◆ Kim**  
 A visual memory challenge based on the party favorite 'Kim's Game.' Objects are displayed for a set time and disappear. They then reappear with others. Players select correct ones, either by pictures or words. Groups include fruit/vegetables, transport, animals, flags, numbers, letters, food and common articles. Plus chance to create own sets with any graphics program! Scores are recorded; play alone or with a friend. Used to help reading too. Comes with a book of the illustrations which may be photocopied for use with the program. Kim is now also available in a MAORI version (PAL only) called Kimi, and in a Swedish version. NTSC/PAL, AmigaDOS 1.2-2.0 compatible. Price includes airmail. \$24.95  
*Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473, (011) 649-405-7761*

**Kinderama**  
 Five talking games with animated graphics. Beginning addition, subtraction, upper and lower case letters, and more. Awarded Best Educational Pro-

gram of 1988 by Commodore. Uses speech to enforce learning. Also includes a Robot Construction Set for creative fun. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite I, Las Vegas, NV 89119, (702) 597-0818*

**◆ LD-901 Dinosaurs**  
 If you're ready to use interactive Amiga/Laser Disc programs, here is a high quality product that's all set to go. The instructional package contains both the Amiga software and the laser disc. Any Amiga with at least 512K will do the job. We recommend that you laser disc player be Pioneer's Model 2200. MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

**● LOOK!HEAR!**  
 LOOK!HEAR! uses bright animated graphics, large clear letters and natural digitized speech to teach and test 'sight words': the 240 core words children up to and including the eight year old level should recognize and pronounce instantly. Also for anyone with reading problems or learning English. Comprehensive recording and printing of progress. Extra word disks are being produced; inquiries for special languages are welcome. Price includes airmail. NTSC/PAL, AmigaDOS 1.2-2.0 compatible. \$59.95  
*Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473, (011) 649-405-7761*

**Little Red Hen (story diskette)**  
 Enjoy the story of the Little Red Hen as she works, plants, harvests the wheat, makes flour, and bakes bread. Featuring digitized and synthesized sounds, music, and animation. For use with Talking Storybook reader diskette. \$29.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

**Match-it**  
 Teaches children basic colors and shapes through games and tutorials. \$39.99  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620*

**My Paint 2.0-The Paint Program Just For Kids**  
 My Paint is an easy-to-use, educator-approved, and classroom-tested paint program which has been designed especially for children. Everything about it, from the color of the program disk to easy user interface with animated icons, was designed with youngsters in mind. The interface is entirely based upon intuitive icons, and no reading skills are required. Features include colorful, animated icons for all tools, a complete 'coloring book' of pictures to be colored, sampled sounds which accompany each picture, multiple brush sizes, special 'surprise' pictures, painting and mirror modes, special effects, color cycling, and more. As enhancements to the program itself, a series of optional, educational 'coloring book' disks which teach the alphabet, phonetics, reading skills, and other concepts to young minds are also available. Upgrades are available to registered users for \$14.95. See CDTV section also. \$49.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

**My Paint Coloring Disk #1**  
 Alphabet Fun! Each of the letters of the alphabet is presented with an amusing, interesting drawing for kids to color in. All the letters of the alphabet have digitized speech accompanying them, saying the name of the letter and the corresponding object or animal. Great, educational fun for all young children. \$19.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

**My Paint Coloring Disk #2**  
 Majelix is a beginning reading method based on phonics and sight reading. The Majelix coloring disk provides an introduction to all 29 of the enjoyable Majelix characters. The Majelix character names provide children with a powerful reference to the English phonics code which helps them with their reading skills. \$19.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

**● Nimble Numbers**  
 Takes the child from the skill of counting to learning basic number facts. 'I want to count' displays from 1-5, 1-10 or 1-15 large colorful fish. Child

points to correct number. Graphic rewards and clear reinforcement with natural digitized speech. Simple addition, subtraction, multiplication and division problems are presented, with bold bright display of equations. Child uses mouse to select correct answer. Also available in a MAORI version. Price includes airmail. NTSC/PAL, AmigaDOS 1.2-2.0 compatible. \$24.95  
*Hokianga Software, P.O. Box 67, Rawene, Hokianga, Northland, New Zealand 0473, (011) 649-405-7761*

**Nursery Rhymes (story diskette)**  
 Children learn to read with familiar rhymes such as Jack and Jill, Humpty Dumpty, Little Miss Muffett, and more. For use with Talking Storybook reader diskette. \$29.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

**RE-910 Learning the Alphabet**  
 Teaches upper and lower case letters in sequence. Uses mouse for easy responding. The computer speaks throughout each lesson. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**RE-915 Beginning Reading**  
 Beginning reading skills on four disks, grades K-3. All lessons are phonics-based. Teaches more than 1000 words. Uses mouse for easy responding. The computer speaks throughout each lesson. NTSC only. \$89.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**Read & Rhyme**  
 Outer-space theme. Talking language arts activities in phonics, reading, rhyming, and more. Ages 5-10, 1-2 players. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite I, Las Vegas, NV 89119, (702) 597-0818*

**Read-a-Rama**  
 Talking program with 6 language arts activities. Includes authoring system for parents to create lessons. Ages 5-8 (2 disks). Parents may add weekly spelling lists for practice. \$59.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite I, Las Vegas, NV 89119, (702) 597-0818*

**Reading Adventures I-III**  
 Interactive reading game allows players to participate in completing the story. Adventure 1, \$39.95; Adventures 2 and 3, \$59.95. \$39.95  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

**Reading and Thinking Series**  
 Challenging reading comprehension tutorial which teaches analytical skills so important to good comprehension. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

**Robot Readers: Aesop's Fables**  
 Reading game uses popular fairy tale to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
*Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024*

**Robot Readers: Chicken Little**  
 Reading game uses popular fairy tale to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
*Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024*

**Robot Readers: The Ugly Duckling**  
 Reading game uses popular fairy tale to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
*Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024*

**Robot Readers: Three Little Pigs**  
 Reading game uses popular fairy tales to help children learn to read. Each word changes color as it is read aloud. Adjustable reading speed. \$29.95  
*Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024*

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# Education

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## Robot Readers: Little Red Hen

Reading game uses popular fairy tale to help children learn to read. Each word changes color as it read aloud. Adjustable reading speed. \$29.95  
Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024

## Robot Readers: Noah's Ark

Noah's Ark is the seventh program in the talking Robot Readers series for the Amiga computer. Beautifully illustrated classic stories for preschool through primary grade children, Robot Readers combine the latest research in the field of reading with the unique capabilities of the Amiga computer. Advanced mouse-driven features include reading aloud with each word changing color as it is spoken, an adjustable reading speed, pointing and clicking for the whole word and letter sound out, a Find-the-Word game, and audio-visual identification of the characters and objects in the illustrations. \$29.95  
Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024

## Robot Readers: The Three Bears (Goldilocks)

Reading game uses popular fairy tale to help children learn to read. Each word changes color as it read aloud. Adjustable reading speed. \$29.95  
Hilton Android, 35 Esplanade, Irvine, CA 92715, (714) 651-8024

## Sammy the Clown's Playground Volume One Version 1.1

Sammy the Clown's Playground was designed to provide a quality computing experience for parents and their children aged 2 to 5. The program presents the child with shape recognition, mouse instruction, sound recognition and much more in a non-competitive manner. Using bright colors, speech, digitized sound and mouse control, this program will spark the imagination of your child as only the Amiga can. Version 1.1 features improved speech. 2.0 compatible. 1MB required. \$19.95  
Gifted Artists, 3216 Summit Ave., Baltimore, MD 21234, (301) 347-8274 bef. 5

## Tales From The Arabian Nights

Three stories with graphics, questions, and glossary. Several games, mini-word processor. Ages 8-12, 1-2 players (2 disks). Talking program helps develop important comprehension and vocabulary skills. \$49.95  
Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite 1, Las Vegas, NV 89119, (702) 597-0818

## The Adventures of Sinbad

Three stories, over 600 questions. 1-2 players. Join Sinbad to earn his fortune and see the world. Includes mini-word processor, and more. This talking program builds vocabulary and comprehension skills. \$49.95  
Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite 1, Las Vegas, NV 89119, (702) 597-0818

## The Legend of Sleepy Hollow

A complete bookdisk of The Legend of Sleepy Hollow. Includes over 10 illustrations and talking slide show. \$4.00  
Jumpdisk, 1493 Mountain View Ave., Chico, CA 95926, (916) 343-7658

## The Sesame Street Crayon Series: Letters for You

The Sesame Street gang introduces children to the ABC's. Offers coloring entertainment and education. Contains dozens of reusable pictures with point and click coloring. This program includes digitized sound files of children's voices describing each picture, which can be played over and over. There is also a poem accompanying each picture to enhance learning. Each picture can be printed in color or black and white with one of six print options including: Custom Banner, Personalized Message, Calendar, and Print with Description. There is a sheet of 64 stickers included to mark special days on the calendars. \$19.95  
Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353

## The Sesame Street Crayon Series: Numbers Count

The Sesame Street gang introduces children to numbers and offers coloring entertainment and education. Contains dozens of reusable pictures with point and click coloring. This program includes

digitized sound files of children's voices describing each picture, which can be played over and over. There is also a poem to accompany each picture to enhance learning. Each picture can be printed in color or black and white with one of six print options which include: Custom Banner, Personalized Message, Calendar, and Print with Description. There is a sheet of 64 stickers included to mark special days on the calendars. \$19.95  
Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353

## The Sesame Street Crayon Series: Opposites Attract

The Sesame Street gang introduces children to opposites. Offers coloring entertainment and education. Contains dozens of reusable pictures with point and click coloring. This program includes digitized sound files of children's voices describing each picture, which can be played over and over. There is also a poem accompanying each picture to enhance learning. Each picture can be printed in color or black and white with one of six print options including: Custom Banner, Personalized Message, Calendar, and Print with Description. There is a sheet of 64 stickers included to mark special days on the calendars. \$19.95  
Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353

## The Talking Animator

Easy-to-use page flipper. Gives each frame its own palette of colors from 4096 total. Incorporates talking text into any page of graphics to give you the ultimate doodle pad to create stories or cartoons. All documentation on-line; just press the Help key. Ghosting feature lets you see images from previous pages for graphics placement and smooth animation. The output works well with genlocks. Runs with 512K but 1 MB is recommended. Shipped with data disk full of animations. \$49.95  
JMH Software, 7200 Hemlock Lane, Maple Grove, MN 55369, (612) 424-5464

## The Talking Coloring Book

Talks to the child and teaches color recognition. Drawing option allows children to draw, color, and print their own pictures. In practice option, using a teacher approach, the computer patiently helps preschoolers learn colors and the color words. \$29.95  
JMH Software, 7200 Hemlock Lane, Maple Grove, MN 55369, (612) 424-5464

## The Talking Storybook (reader diskette)

Teaches reading skills by example. No reading skills are necessary to operate, works for pre-readers also. Uses digitized and synthesized sounds, four-part harmony music, and animation. Read pages sequentially, flips to any page forward or backward. Requires reader diskette. \$39.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501

## The Three Bears (story diskette)

Enjoy a familiar story while learning to read or improve reading skills. Uses digitized sounds, entertaining graphics, and four-part harmony music. For use with Talking Storybook reader diskette. \$29.95  
Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501

## The Wonders of the Animal Kingdom

Six activities teach about the animal kingdom and develop reading and vocabulary skills. 1-4 players, graphics, voice. Age 6-12. \$49.95  
Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite 1, Las Vegas, NV 89119, (702) 597-0818

## ◆ ◆ ◆ ENGLISH ◆ ◆ ◆

### Antonyms

Antonyms are the focus of this interactive teaching program. Each lesson gives the learner practice in supplying the antonyms of words presented by the computer. The student can request help from the computer as needed. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

## CP-941 Capitalization

Capitalization teaches students how to capitalize words correctly within sentences. Nine lessons teach 24 capitalization rules. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

## ◆ CW-903 Let's Begin A Story

You've given your students an assignment: WRITE A STORY. For many people, getting started can be the hardest part. This program is designed to help free those good beginnings that are locked inside your students' pens, pencils, or keyboards. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

## Developing Writing Skills

Excellent tutorial for students in grades 6-9. Requires 256K, 512K recommended. \$60.00  
Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224

## English Composition Skills

Comprehensive tutorial will improve writing skills of high school students and above. Requires 256K, 512K recommended. \$45.00  
Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224

## GR-910 Basic Grammar

Basic Grammar teaches students to identify nouns, verbs, adjectives, prepositions, conjunctions, and interjections. The program teaches and tests for mastery learning. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

## How to Spell

A tutorial on the principles of correct spelling. Each rule is explained, illustrated, and drilled. Each wrong answer brings additional remediation. Grades 4-7. \$29.95  
Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224

## Image Spinning (Creative Writing)

This program provides practice in putting together effective images that can be used in almost any kind of creative writing, especially in poetry. Throughout this exercise, the computer acts as an idea starter, while the final results are entirely the student's own. NTSC only. \$49.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

## Land of the Unicorn

Educational program for grades 3-8 covering synonyms and antonyms, as well as problem solving. Includes intricate maze game. \$59.95  
Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite 1, Las Vegas, NV 89119, (702) 597-0818

## ◆ Mr. Robot's Speak'n Spell

Picture-oriented word game for ages 6 and up. Players try to match words with pictures and clues. Includes music, crossword puzzles, animated talking robot, and 1020 color pictures (20MB uncompressed). Teaches over 1000 word spellings, meanings, and pronunciations of increasing difficulty in 204 levels of play. \$49.95  
Brain Technologies Co., P.O. Box 215147, Sacramento, CA 95821, (800) 272-4601

## PU-940 Punctuation

Teaches students how to punctuate properly. Contains four lessons which teach 42 punctuation rules. NTSC only. \$29.95  
MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242

## Practical Composition I-V

The rules of good writing are the focus of these tutorials, which are followed by practice materials aimed toward the development of effective writing skills. Each disk presents a series of related concepts, explains each concept, tests the student's understanding, and provides examples, using multiple-choice, fill-in-the-blank, and 'cloze' technique exercises. I-Using words correctly. II-Logical, clear sentences. III-Selecting the best approach.

**IV-Making sentences work. V-Using words correctly.** Volumes I, III, IV, and V are \$34.95 each. Volume II (two disks) is \$74.95.  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

## Practical Vocabulary

High school-level drill for recognition and use of definitions, antonyms, synonyms, word roots, and prefixes. \$54.95  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

## RE-921 Booksoft One Comprehension-Elementary Level for Jr./Sr./High School Students

Uses a combination book-with-software approach to instruction. Ten story lessons feature easy vocabulary with older level reading content. NTSC and PAL. \$39.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## RE-940 Stories in Reasoning with the Great Detective Genlock

The student's task is to draw conclusions from given facts within a variety of story situations. Secret passwords. Genlock Holmes and reasoning grids are involved in each story exercise. This reading comprehension program challenges students to do more than just recall information. It responds to those education critics who want programs that make students think. NTSC and PAL. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## RE-941 Basic Reading Literacy Series

This instructional series is designed both for young people and older adults who can understand and use spoken English, but who cannot read. The scope of the program ranges from beginning word attack skills up to a newspaper level of comprehension. \$29.95 per disk. NTSC and PAL.  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## RE-942 Reading Detective: A Word Game

This is for anyone who wants to cope with a new way of reading the ANGUISH LANGUAGE. Decipher what happened when LITTER WERYE DING HOOT METER WICKET WOOF ASHSHAY VENT TOUR GROIN MURDERS COD DITCH HONOR UDDERSIGHED OFFER LODGE DOCK FLORIST, and so on with other examples of your own. Perhaps you yourself might become a writer of the ANGUISH LANGUAGE! If you, or some of your students, think it would be fun to grapple with English that has run amuck, we recommend this program. NTSC and PAL. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Reading and Thinking I-III

Designed to help train students who read well but comprehend only at the factual level, this series of programs stresses the interpretive or inferential level, and the evaluative or critical level of reading. These programs provide a challenge to gifted students as well as older students requiring remediation, because the vocabulary is controlled but the questions require good analytical powers. \$54.95  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

## SP-902 Spelling

Blends speech with screen-printed text. For grade 2. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## SP-903 Spelling

Blends speech with screen-printed text. For grade 3. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## SP-904 Spelling

Blends speech with screen printed text. For grade 4. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## SP-905 Spelling

Blends speech with screen printed text. For grade 5. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## SP-906 Spelling

Blends speech with screen printed text. For grade 6. Eighteen programs per grade-level disk, 360 words, spelling, and pronunciation. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## SP-907 Spelling Detective Game

Become the Great Spelling Detective and learn how to spell 100 of the most frequently misspelled words in the English language. Along the way you will discover how the Amiga is programmed to speak words like 'acquaintance,' 'noticeable,' 'occurrence,' and 'privilege.' NTSC and PAL. \$39.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Spell-A-Fari

Uses synthesized and digitized speech to teach spelling skills. Create and edit spelling lists of up to 54 words. High-quality graphics animations. Six games to print to the printer or play from the computer. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

## Spelling 1

Expansion Disk for Discovery spelling game for grades 1 through 10. Requires Discovery program disk. \$19.95  
*Microillusions, P. O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

## Spelling 2

Expansion Disk for Discovery grades 9 through 12. Spelling proficiency advances through ten levels. Requires Discovery program disk. \$19.95  
*Microillusions, P. O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

## The Word Master Vocabulary Builder

Four educational activities designed to build word-power skills, including placement test and Pac Man-type maze game. Designed for grades 3-8. Expandable with Supplementary Data Disk for grades 9-12. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite 1, Las Vegas, NV 89119, (702) 597-0818*

## Usage Boners

In this series of lessons, the user learns to identify common mistakes in usage, such as, 'I Should Of Know', or 'He Gave It To Mary And I.' NTSC only. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## VO-920 Vocabulary Series One

Vocabulary series high-level package includes words from the 'New York Times,' 'Atlantic Monthly,' etc. Learner-controlled instruction. Eighteen lesson games teach more than 700 vocabulary words. Each lesson game can be played by one to four players. NTSC only. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Vocabulary Adventure I: The Castle of Treasures

Grades 4-6. This adventure takes place in an imaginary 50-room castle. The player begins in the Entry Room and must try to enter each of the other 49 rooms, accumulating treasures as he or she progresses. Treasures are worth a varying number of points and become increasingly more challenging to obtain within each room. Players can also pick up points while traveling through passageways from room to room. \$49.95  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

## Vocabulary Adventure II: The Labyrinth

Grades 6-8. Players explore an imaginary labyrinth, accumulating points as they go. Each area features three multiple-choice vocabulary questions describing the area and the creature that lives there. Players can also pick up points while traveling through passageways. \$49.95  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

## Vocabulary Adventure III: Marauders of the Lost Ark

Players take on the role of explorers as they search for treasures throughout the ark, moving to a new location after solving each vocabulary mystery. \$49.95  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

## Vocabulary Adventure Package

Text-based simulations: An exciting way to master new vocabulary. Requires 256K, 512K recommended. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## Vocabulary Series Two

In this series of lessons, the user works with words that have the same, or similar meanings as other words. For example, the words 'banish' and 'eject' could be paired as synonyms. A combination of multiple choice, fill in the blanks, and spelling tasks are involved. The Amiga will provide assistance as needed. NTSC only. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## WD-915 Word Demons

A lesson in usage of homonyms and verbs. The six lessons on this disk help you learn the correct usage of certain sets of words that often give trouble. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Words That Sound Alike

In this program, the student learns to identify and spell words that sound the same but are spelled differently. For example, 'wait' and 'weight,' or 'steak' and 'stake.' The Amiga provides help when needed. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## ♦ ♦ ♦ ENGLISH AS ♦ ♦ ♦ A SECOND LANGUAGE

**LA-985 American English for Spanish Speakers**  
A two-disk set. All screen messages for the learner are in Spanish. The computer speaks throughout each lesson. NTSC and PAL. \$69.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**LA-986 American English for German Speakers**  
A two-disk set. All screen messages for the learner are in German. The computer speaks throughout each lesson. NTSC and PAL. \$69.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## LA-987 The English Alphabet for Speakers of Urdu

The computer speaks both English and Urdu throughout each lesson. NTSC and PAL. \$39.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## LA-988 American Idiomatic English

Designed for persons who can understand plain English, but who may not understand expressions. Especially useful for, but not limited to, individuals who are learning English as a second language. NTSC and PAL. \$39.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Learning English As A Second Language

This 11-disk series begins the job of teaching English as a second language. Digitized pictures are extensively employed. The Amiga speaks throughout the entire series. The mouse is the response device. Note: This series begins the job of teaching American English as a second language. As such, it is suitable only for persons who do not yet know English. It would be too simple for anyone who's beyond that point. NTSC only. \$389.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

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# Education

## ◆ ◆ FOREIGN LANGUAGES ◆ ◆

### Audio Gallery-Chinese

Audio Gallery-Chinese is a talking picture dictionary which teaches you the vocabulary of Mandarin Chinese. Includes 25 med-res graphic scenes, 15-30 objects in each scene. Click on the object to see the translation in characters, Pinyin and English, and hear the sound of the word in Mandarin Chinese. Fully digitized voices. Seven-disk set includes quizzes and dictionary. \$129.95

*FairBrothers, 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

Please see display ad page 91.

### ◆ ◆ Audio Gallery-French 1.1

Audio Gallery-French is a talking picture dictionary which teaches you the vocabulary of spoken French. Includes 28 scenes of general interest such as kitchen, classroom, weather, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Seven-disk set has over 600 digitized words. Includes quizzes and dictionary. Available for NTSC now, PAL in January 1992. Requires A500, A1000, A2000, 512K RAM, one DD. 2.0 compatible. 68030 version available December 1991. \$89.95

*FairBrothers, 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

Please see display ad page 91.

### Audio Gallery-German

Audio Gallery-German is a talking picture dictionary which teaches you the vocabulary of Hochdeutsch German. Includes 25 scenes, such as Living Room, Transportation, etc. Point and click on the objects in the picture to hear them pronounced by a native speaker. Includes quizzes and dictionary. Seven-disk set. \$89.95

*FairBrothers, 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

Please see display ad page 91.

### ◆ Audio Gallery-Japanese

Audio Gallery-Japanese is a talking reference picture dictionary which teaches you modern spoken and written Japanese. Contains over 30 colorful IFF illustrations of scenes such as Kitchen, Shopping, and Animals, combines with over 600 digitized words and phrases, online dictionary and quizzes. Eight-disk set presents Katakana, Hiragana and Kanji character sets, along with English translations. Includes grammar manual. \$129.95

*FairBrothers, 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

Please see display ad page 91.

### Audio Gallery-Spanish

Audio Gallery is a talking picture dictionary which helps you learn the vocabulary of a foreign language through illustrations and digitized sounds. Each Audio Gallery consists of 18-25 scenes of general interest, such as weather, shopping, etc., and each scene includes 15-30 digitized words or phrases by a native speaker. Seven-disk set. Includes quizzes and dictionary. \$89.95

*FairBrothers, 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

Please see display ad page 91.

### Beginning German

MicroEd used its powerful C.L.A.S. authoring system in collaboration with a German language teacher to create this original program of foreign language instruction. The Amiga speaks German throughout every lesson, and will not allow the student to enter any incorrect word, or even a single wrong letter! The program assumes the learner knows English. NTSC and PAL. \$69.95

*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

### Cyrillic Alphabets 2.3

Russian, Macedonian, Ukrainian, Serbian & Bulgarian character sets suitable for students, professors, government workers, or anyone who needs small to medium-size attractively modelled bitmap fonts for letters, assignments, or as a learning tool. Includes utilities and three keyboard configurations for each language (15 in all). Switch easily between AATSEEL, QWERTY-phonetic & Soviet typewriter keymaps. Full English set included in

each. English & Cyrillic can be combined in one document. Twelve typefaces, about 36 styles, 8 to 42 lines high. Comprehensive 80-page manual, keyboard charts & samples. \$44.95

*CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### ◆ Eurofonts Video: WYSIWYG 2.0

International version of Professional Font Library supports Western European languages (French, Italian, Portuguese, Spanish, Danish, Swedish, Norwegian, Finnish, Icelandic, and German). Small, medium, and medium-large artist-designed monochrome and color bitmap fonts especially suitable for WYSIWYG word processing and paint program applications. Includes multiple diskettes, extensive documentation, foreign keymaps, key charts and utilities. 512k recommended, 2MB for color fonts. \$129.95

*CLASSIC CONCEPTS Futureware, P. O. Box 786, Bellingham, WA 98227-0786, (206) 733-8342*

### French Grammar I-III

The French Grammar Series is designed to provide instruction in all the major points of French grammar and usage. Vol. I includes nouns, definite and indefinite articles, prepositions, and more. Vol. II includes qualifying adjectives, interrogative forms, negative forms, cardinal and ordinal numbers, and more. Vol. 3 includes first, second, and third conjugation regular verbs and imperative forms. Ten lesson modules. Three volumes; \$34.95 each. \$34.95

*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

### French Grammar Series I

Nouns, adjectives, numbers, prepositions, verbs. Requires 256K, 512K recommended. \$45.00

*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

### Japanese 1

An intro to basic language and written Japanese. Uses the Amiga's built-in speech to teach pronunciation and incorporates customized fonts to teach written Japanese characters. The manual further develops grammar skills taught in the program. \$41.95

*Education Tutorial Software, 10811 Ashton Ave, Ste. #209, Los Angeles, CA 90024, (213) 470-6205*

### Korean: Hangul Lab

Beginner's course in Korean. Teaches written Korean (Hangul) using animated syllable construction. Digitized voice of a native speaker teaches correct pronunciation. Two-disk set. \$29.95

*Mesa Graphics, 909 East 49 1/2 St., Austin, TX 78751, (512) 452-2441*

### Kwik-Speak

Lessons in conversational Spanish. Beginning Spanish covers present tense; Intermediate Spanish covers past and future tenses. \$49.95

*Eclipse Data Management, 511 West Glen Oaks Blvd. Ste. 345, Glendale, CA 91202, (818) 243-0313*

### Linkword

Language Software and audio tapes. French, German, Spanish, Italian, Dutch, Greek, Portuguese, and Russian. Uses mental imagery to link foreign words to acoustically similar English words. Learn 400 words in 10 hours, less than one third the time of conventional teaching methods. Ideal for travelers, business people, and first-year language students. \$29.95

*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

### Spanish Grammar I-III

All of the major points of Spanish grammar and usage are covered in this series of interactive tutorials. Vol. I includes gender and number of nouns, definite and indefinite articles, present tense of regular verbs, and more. Vol. II includes gender, number, agreement, and use of adjectives, saber and conocer, first and second person object pronouns, and more. Vol. III includes the preterite tense of regular, irregular, and stem-changing verbs; uses of the definite article; comparatives and superlatives; and more. Ten lesson modules. Three volumes; \$34.95 each.

*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

### Spanish Grammar Series I

Nouns, verbs, contractions, adjectives, key phrases, articles, possessives. Requires 256K, 512K recommended. \$45.00

*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## ◆ ◆ ◆ GEOGRAPHY ◆ ◆ ◆

### Choromap

Make maps showing any data for any area. Produce basemaps with the mouse. \$51.00

*Bassett Geographic, 1103 E. Magnolia Avenue, Auburn, AL 36830, (205) 887-9057*

### Digital Landscape 2.0

Digital Landscape 2.0 produces 3-D solid and wire frame surfaces, profiles, and color contour renderings. The programs will now load ASCII text files such as portions of U.S. Geological Survey DEM files. Latitude and longitude are now indicated. Grid size has been increased and each drawing screen now has its own simultaneously visible controls for easy rendering. The program includes three elevations disks with over 400,000 elevations covering the US. Data may be loaded from one of the elevation disks or entered through the keyboard. Elevation data covers the entire continental US (excludes Alaska). Orders are now being accepted for a large new elevation set for Digital Landscape (36 times larger than the set included). \$124.95

*Digiscape Software, P.O. Box 113058, Carrollton, TX 75011-3058, (214) 241-9891*

### Geography Adventure Games

Text-based simulations: Learn American and world geography while you play. Requires 256K, 512K recommended. \$60.00

*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

### Geography Expansion Disk for Discovery

Physical and political geography and more. Grades 9 through 12. Requires Discovery program disk. \$19.95

*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

### Great States II

Fun educational game. Learn important and interesting facts about the United States, with complete tutorials on each state. The game information includes state name, capital, abbreviation, date entered union, state bird, flower, tree, and bonus trivia questions. A great time for the whole family. \$39.95

*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

### U.S. Geography

Exciting game format provides hours of fun while students develop geography skills. As students travel to all 50 states, plus Washington, D.C., Puerto Rico, Guam, and the Virgin Islands, they learn to locate the states and cities in relationship to each other. Students also learn to identify each state, the state's capital, and the state's largest cities, rivers, and other noteworthy geographical features. Grades 4 and up. \$59.95

*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

### ● Vista 1.2

Vista 1.2 is now released for 1MB Amigas. New features are Gouraud shading (eliminates polygons), lo-res option (and original HAM mode), simulated trees. Vista generates beautiful, 3-D landscapes using real world USGS data; Turbo Silver compatible, Animation capability, Half-Dome and El Capitan in Yosemite National Park, MtSt. Helens (before and after eruption), Crater Lake. Caldera of Mons Olympus, highest mountain of Mars, can be explored from any angle or perspective. Also 16 billion imaginary fractal landscapes. 2.0 compatible, PAL version. Inexpensive upgrades. See VistaPro in Animation category. \$59.95

*Virtual Reality Laboratories, Inc., 2341 Canador Court, San Luis Obispo, CA 93401, (805) 545-8515*

### World Atlas

World Atlas is the first computerized atlas for the Amiga. It gives you direct access to information and details on more than 170 countries plus all fifty

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states. With World Atlas you can discover each country's history, population, language, and customs. In addition, World Atlas gives you Earth facts and information about different time sectors and more. To operate the program, you can choose from a displayed world map by clicking on the continent where the country you want is located; then on the location of the country written on the continent. Another way to choose is by using an alphabetical list of the countries. In addition, there is a seek function that allows you to find countries based on information you feed to the computer, such as capital, population, area, or language. \$59.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

**World Geography Adventure I-IV**  
 Game format teaches student to identify countries, cities, and other geographical features of the world. Vol. 1-North and South America; Vol. 2-Europe; Vol. 3-Africa; Vol. 4-Asia. Four disks, each is \$49.95.  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

**World Odyssey**  
 World geography in a puzzle format. Select map (12 choices) and answer questions about geography. You control the answer format. Score is kept for the 10 best players. \$49.99  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620*

**World Tour, Australia**  
 Another game in the World Tour series. Use the tutorials to learn about the provinces, capitals, languages, and more. Play the game and see how much you know. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

**World Tour, Canada**  
 Another game in the World Tour series. Use the tutorials to learn about the provinces, capitals, languages, and more. Play the game and see how much you know. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

**World Tour, Europe**  
 A fun educational game, based upon the popular Great States II. Complete tutorials for each country include information on languages, currency, religion, and much more. Informative maps provide information on rainfall, population, terrain, etc. Play is reinforced with speech, graphics, and sound. Print award certificates for outstanding scores. \$39.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

## ♦ ♦ ♦ HEALTH ♦ ♦ ♦

**Blood Gases**  
 Teaches bed-side rapid blood gas interpretation; including arterial-alveolar diffusion gradients, acid-base balance, acidosis correction, and normal values. \$49.95  
*Mad Scientist Software, 13422 N. Bayberry Circle, Alpine, UT 84004, (801) 756-6027*

**Cardiac Arrest!**  
 Advanced Cardiac Life Support (ACLS) simulator, user assumes role of code team leader, typing resuscitation orders in plain English. Complex, simple, and pediatric scenarios, 45 patients total. On-screen EKG rhythm strip. Allows user to practice and refine ACLS skills. \$69.95  
*Mad Scientist Software, 13422 N. Bayberry Circle, Alpine, UT 84004, (801) 756-6027*

**Code Team!**  
 Training programs for Advanced Cardiac Life Support (ACLS). On-screen EKG rhythm strip interpretation, self-teaching quizzes, arrhythmia scenario simulator. Prepares user to pass ACLS certification or review ACLS concepts and treatments. \$69.95  
*Mad Scientist Software, 13422 N. Bayberry Circle, Alpine, UT 84004, (801) 756-6027*

**Diabetic Diet Manager**  
 Assists the diabetic in food selection based on his/her doctor's recommendations. \$49.95  
*Lee Software, P.O. Box 742644, Dallas, TX 75374, (214) 530-2864*

**Health Med**  
 Comprehensive home medical guide. \$99.00  
*Lee Software, P.O. Box 742644, Dallas, TX 75374, (214) 530-2864*

**Nutri-Fax**  
 Nutritionally analyze your recipes for the most common nutrients. Data base utilizes food items from USDA Handbook 8 and allows for easy user expansion. Includes Variety Cookbook Recipe disk with over 150 recipes edited for home use. \$59.95  
*Meggido Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509, (714) 683-5666*  
**Please see display ad page 99.**

**Nutrition Guide for the Home**  
 Provides nutritional information on a personal basis. Recipe analysis, and daily intake analysis. \$89.95  
*Lee Software, P.O. Box 742644, Dallas, TX 75374, (214) 530-2864*

**Nutrition: A Professional Guide**  
 A nutrition planning, reference, and analysis tool for the professional. Two disks. \$199.95  
*Lee Software, P.O. Box 742644, Dallas, TX 75374, (214) 530-2864*

**SC-936 Aids Information Game**  
 Provides basic information on the AIDS virus in a game format for one to four people. NTSC only. \$39.95  
*MicroEd, P.O. Box 24750, Edina, MN 55424, (612) 929-2242*

**Total Control Diet**  
 A high-tech approach to weight control and diet. Personal history and specific daily recommendations. \$49.95  
*Lee Software, P.O. Box 742644, Dallas, TX 75374, (214) 530-2864*

## ♦ ♦ ♦ HISTORY ♦ ♦ ♦

**All About America**  
 U.S. history and geography with 16 stories, illustrations, questions, maps, and quizzes. Ages 6-11. 2 disks. Each story is followed by comprehension and vocabulary questions. Map disk covers states and capitals, directions, postal abbreviations, North & South before the Civil War, and colony maps. Uses speech as an extra stimulus. \$59.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite I, Las Vegas, NV 89119, (702) 597-0818*

**American History Adventure**  
 Encourages players to master historical relationships and details through repeated play and by providing an incentive to study. In this exciting learning experience, the student plays a roving reporter who tries to meet with and identify 92 historical characters in American history, and locate them correctly in time and place. The top 40 scores are recorded in the 'Hall of Fame.' Grades 7 and up. \$49.95  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

**History**  
 Expansion Disk for Discovery grades 9 through 12. Ancient through modern history. Requires Discovery program disk. \$19.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

**History Adventure Games**  
 Text-based simulations: Learn American and world history while you play. Requires 256K, 512K recommended. \$35.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

**SS-951 Lewis and Clark Expedition**  
 Five disks with 50 digitized photographs and drawings provide pictorial settings for Lewis and Clark's expedition. NTSC only. \$89.95  
*MicroEd, P.O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SS-952 Across the Plains**  
 This two disk program provides students with information about the Westward Movement, that long and hazardous journey of American emigrants, using everything from handcarts to covered wagons, across the Great Plains all the way to the West Coast. NTSC only. \$59.95  
*MicroEd, P.O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SS-953 Early Great Lakes**  
 A three-disk book on the fur trade. Interactive text, 30 digitized pictures of the European-Indian relationship in the 17th-19th centuries. NTSC only. \$79.95  
*MicroEd, P.O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SS-954 Making Our Constitution**  
 Information is provided on four disks concerning this great drama and its leading players as events unfold 200 years ago between May and September of 1787 at what is now called Independence Hall on Philadelphia. NTSC only. \$79.95  
*MicroEd, P.O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SS-955 Transcontinental Railroad**  
 Learn about the building of the Transcontinental Railroad (1865-1869), one of the great human engineering feats in recorded history. The program uses digitized pictures created from photographs taken during those times. NTSC and PAL. \$39.95  
*MicroEd, P.O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SS-956 Introducing Maps**  
 Using 20 digitized pictures, this program provides basic introductory information about maps. Topics include what maps are, seeing with maps, symbols, directions, compass directions, map legends and scales, oceans/seas/gulfs/bays/straits, salt and soil, continents and hemispheres, in both the east and west, guidelines for finding places, latitude and longitude, degrees of latitude, lines of longitude, strengths and weaknesses of flat maps, rough surface, a changing surface, weather, climate, and the development of American mapping. NTSC only. \$59.95  
*MicroEd, P.O. Box 24750, Edina, MN 55424, (612) 929-2242*

## ♦ ♦ ♦ LOGIC ♦ ♦ ♦

**Lessons in Reading and Reasoning**  
 The complete five disk Reading and Reasoning series which teaches logic and reading by examining various fallacies. For a more complete description of the individual lessons, please refer to the separate listing below. \$149.95  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

**Lessons in Reading and Reasoning I-IV**  
 For grades 9 and up. Lessons in reading and reasoning teach logic and reading by examining various fallacies. Lesson 1 examines shift-word fallacies and circular reasoning. Lesson two addresses fallacies of inadequate data and the red herring fallacy. Lesson three examines stereotyping. Lesson four examines sexism fallacies and proverbs. Lessons I, II, and III are \$39.95 each. Lesson IV, two disks, is \$59.95.  
*Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224*

**The Logic Master**  
 Helps develop high-level thinking skills in analogies and number series. Includes fantasy role playing game. Grades 5-12. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite I, Las Vegas, NV 89119, (702) 597-0818*

## ♦ ♦ ♦ MATH ♦ ♦ ♦

♦ **Adventures in Math**  
 Adventures in Math is an entertaining learning game that reinforces basic math concepts for children ages 4-8. You must travel through a never-ending jungle, searching for wild animals that will

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# Education

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take you to math challenges. The math challenges focus on specific curriculum objectives from kindergarten to first and second grade levels. Some of the concepts presented include number sets, 'more' and 'less', logical sequencing, number symbols, and addition and subtraction facts. Grade level and difficulty can be adjusted to match the child's current level. \$39.95  
*Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609*

## Algebra I

Evaluate, plot, and simplify algebraic expressions. Work with functions, numeric expressions, geometric measurement, systems of equations, and radicals. Find roots and solve quadratic equations, linear equations, more. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## Algebra Word Problems

Even the brightest students can be baffled by word problems. Problems are made clear with these programs, since each wrong answer draws a step-by-step explanation to help students with algebraic solutions to mathematics problems. Ten programs on one disk, graded in difficulty. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

## Arithmetic

Educational programs for studying and reviewing topics in arithmetic. Includes fractions, percent, square roots, metric system, and more. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## Balancing Act

The learning objective is to be able to check a bank statement for errors through addition and subtraction. The student views a checkbook that includes deposits and withdrawals. Errors must be identified. Accuracy and speed are the factors that will either elevate the player to bank president or land him in unemployment. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Calculus

Educational program covers general topics in calculus. Includes graphing and a routine to perform symbolic differentiation on any  $y=f(x)$  function. Display formulae for multiple derivatives, and plot the function and its derivatives on single graph. Topics include limits, tangents to a curve, minima and maxima, area under a curve using approximation methods, more. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## DESCARTES!

A 2-D graphing package; allows up to 50 equations composed of all standard operators and functions to be displayed simultaneously in a palette of 8 out of 4096 colors. Calculates derivatives of functions instantly. Allows easy formatting of axes, grids, as well as labelling, either linear or logarithmic. \$39.95  
*Mindware International, 110 Dunlop W. Box 22158, Barrie, Ontario, Canada L4M 5R3, (705) 737-5998*

## Decimal Dungeon

Escape the dungeon master by answering math decimal problems. Age 9 and up. Full-screen explanations are given for incorrect answers. Choose to add, subtract, multiply, divide decimals or to convert them to percents or fractions. Arcade-style game with each player on his or her own difficulty level. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite I, Las Vegas, NV 89119, (702) 597-0818*

## Discrete Mathematics

Educational foundation for introducing computer science. Construct truth tables, Venn diagrams, build binary trees and do binary searches, and compare sorting algorithms under different conditions. Includes True BASIC source code. \$49.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## Fraction Action

Escape the mad professor by answering math fraction problems. Incorrect answers lead to full-screen

explanations. Age 9 and up. Arcade-style game for 1 or 2 players with each in his own difficulty level. Choose to add, subtract, multiply, or divide fractions. \$49.95  
*Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite I, Las Vegas, NV 89119, (702) 597-0818*

## Fraction Concepts

There are four programs on this disk. They teach the primary concepts and skills needed to work with fractions. Topics include writing proper and improper fractions and mixed numbers, identifying equivalent fractions, and reducing fractions. NTSC only. \$79.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-903 Medal Winner

Grades 4-8. Arrange digits of two numbers to produce the highest product. Create a multiplication problem with three digits (four digits in the advanced level) that will produce highest product. Teaches logic as well as multiplication. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-904 Sum-It Mountain

Grades 1-8. Success depends on the student's ability to add numbers rapidly. Carry a flag to top of mountain; mistakes return you to the bottom. Clock records climbing time. Brings students to the 'peak' of successful addition! NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-909 Pinball I.Q.

Grades 3-8. Division lessons combined with a video pinball game. Find the whole number part of a quotient in division. Correct answers light up bumpers on a pinball machine and build up score. Game ends when all numbers are lit. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-921 First Year Algebra

Learn on a step-by-step basis how to develop skills for solving algebraic equations with emphasis on arithmetic properties. Acting as your personal tutor, the Amiga will teach you what you should know about basic algebraic equations, binomial multiplication using the FOIL method, monomial and binomial factoring procedures, binomial squared factoring and completing the square. NTSC only. \$99.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-922 Algebraic:

### The Computer/Textbook Connection

Enter any equation of your choice. Let your Amiga show you step-by-step how to solve it. Will automatically fit any algebra textbook. NTSC only. \$99.00  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-928 Numbowl

Grades 3 to 9. Work with three digits and two operations to create an expression that is as close to 30 as possible. As in bowling, there are ten turns or frames. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-930 Parting Shots

Grades 4 to 9. Compare one set of objects to its whole, as a fraction, and reduce that relationship to lowest terms. There are three levels of play and ten turns. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-932 Math Golf

Grades 4 to 9. Produce a result as close to one as possible from a three-number expression of two operations. A golf game format is used. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-936 Number Jumper

Grades 1 to 8. View a group of single-digit addends for a limited time and recall the sum. With each

success, a jumper hurdles the numbers. Multiples can be studied by using identical addends. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-938 Caterpillar 500

Grades 2 to 8. Solve simple whole-number equations that include multiplication and either addition or subtraction. A game format is used in which a caterpillar speeds around an oval in an Indy 500-type race. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-943 Last of the Ninth

Grades 2 to 8. Find the product of two numbers, one of which could be a two-digit number. A baseball game format is used in this multiplication exercise. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-944 Slam Dunk

Grades 1 to 8. In a timed exercise, identify as many basic facts as possible from the operation of the learner's choice. For each correct fact, a basketball player swishes the net with a long shot. A slam dunk takes place as a super bonus for five right answers in a row. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-948 Pail Green

Grades 4 to 9. Given one fraction and either the numerator or denominator of another, you name equivalent fractions. This program can also be used in a unit on ratio and proportion. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-953 On the Line

Grades 4 to 9. Name improper fractions as mixed numbers, and visa versa. Football jerseys illustrate the theme. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-954 Branded

Grades 3 to 9. Name, as a fraction, the relationship of a part to its whole. Cattle, some branded, graphically highlight the point. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-967 Sum Fun

Grades 3 to 8. Position single-digit numbers in a 4 x 4 grid to maximize the sums of certain rows and columns. Skill prevails over luck in this lesson game that can be played by an individual or an entire group using game sheets. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-993 Figuring the Angles

Grades 4-9. Estimate with increased accuracy, the size of acute and obtuse angles. There is a game theme related to golf in which the goal is to better par. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-998 How-To Addition

Grades 1-8. Add whole numbers by column, with regrouping or no regrouping. Lessons with 14 option levels can be tailored to the student's individual needs. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## MA-999 How-To Subtraction

Grades 1 to 8. Subtract whole numbers by column with regrouping. Lessons with eight option levels can be tailored to the student's individual needs. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

## Maple V

Maple V delivers a completely new graphical user interface with 3-D color graphics. It is built upon industry standards such as UNIX, the X Window System, TCP/IP, and PostScript. Maple has an extensive library of procedures—approximately 2,000—common to many scientific and engineering appli-

cations. Its facilities include arithmetic with integers, fractions, unknown variables, polynomials, and general expressions; solving equations; factoring; taking derivatives and series expansions of functions; indefinite integration; solving differential equations and recurrence equations; matrix operations; plotting; and much more. Supports Amiga 1000, 2000, 2500, and 3,000. Requires AmigaDOS v2.04, 2MB RAM, and 10MB disk storage. \$450.00  
**Waterloo Maple Software**, 160 Columbia Street West, Waterloo, Ontario, Canada N2L 3L3, (519) 747-2373

**Math 1**  
 Expansion Disk for Discovery basic four-function math drills for grades 1-7. Requires Discovery program disk. \$19.95  
**Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345**

**Math Blaster Plus**  
 Math Blaster Plus contains five motivating learning activities covering over 750 basic math facts. The program covers more subject areas than other math programs: addition, subtraction, multiplication, division, fractions, decimals, and percents. An exciting arcade-style game motivates children to learn, while an optional record-keeping feature monitors students' progress. A printed Certificate of Excellence rewards outstanding scores. \$49.95  
**Davidson & Associates, Inc., P.O. Box 2961, Torrance, CA 90509, (800) 556-6141**

**Math Concepts**  
 Expansion Disk for Discovery grades 9 through 12. Prepare for SAT's, practice problems in algebra, geometry, trig, and more. Requires Discovery program disk. \$19.95  
**Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345**

**Math Doctor**  
 Teach all basic math functions just as the schools do. Whole numbers and fractions, decimals too. Use borrows and carries just as you would on paper. Easy to use graphics interface with speech and positive reinforcement. \$39.95  
**Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501**

**Math Odyssey**  
 Math in a puzzle format. Math questions are asked. You select the answer. When completed, put together a puzzle. Score is kept for the 10 best players. \$49.99  
**Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620**

**Math Wizard**  
 Four educational math games for 1 or 2 players, ages 5-13. Talking program with several skill levels. Add, subtract, multiply, divide, or learn how to do word problems. Players can practice math together with each on his own difficulty level and mathematical operation. \$49.95  
**Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite 1, Las Vegas, NV 89119, (702) 597-0818**

**Math-A-Magician**  
 Add, subtract, multiply, or divide fractions or whole numbers. Play, practice, and learn. Features graphics and speech. \$39.99  
**Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620**

**MathVision**  
 Math Vision is a tool for scientific and mathematical visualization. Feature data-input/graphics-output, HAM, overscan, half-brite, ARexx, image processing, math coprocessor support through IEEE, hook to access external programming, and a wide variety of additional functions, including animation and print capabilities for pictures and paint formulas. \$197.00  
**Seven Seas Software, P. O. Box 1451, Port Townsend, WA 98368, (206) 385-1956**

**Mathasaurus**  
 Ages 3 and up. Mathasaurus is an action adventure game, that kids can actually play, learn addition, subtraction, and expand their minds. Real digitized voice sounds, Babysaurus, Aliens, Dragons, and much more make it arcade fun. \$24.95  
**Cancor, 14 Garrard Rd., Whitby, Ontario, Canada L1N 3K3, (416) 434-4247**

◆ **Mathasaurus II**  
 Ages 3 and up: The Babysaurus are troubled again. It is up to you and your hero to retrieve the antidote and save the Babysaurus from total disaster, in this action-adventure game. Mathasaurus II is ready for you. Basic 2-digit numbers involve addition and subtraction, to aid in your child's mathematical development. Entertaining and educational software for those very important people: the kids. \$24.95  
**Cancor, 14 Garrard Rd., Whitby, Ontario, Canada L1N 3K3, (416) 434-4247**

**MathsMaster**  
 Australian Maths educational package for Grades K to 6 for Commodore Amiga. Observes arithmetic procedures used in Australian schools and includes graphics and sound featuring popular Australian animals. Provides three levels to cater for developing skills. \$39.00  
**Desktop Utilities, P.O. Box 3053, Manuka, ACT 2603, Australia, (011) 616-239-6658**

**Maxi Taxi**  
 Grades 4-9. The learning objective is to determine maximum earnings in a work situation by relating time to money. The student earns as much as possible per hour as a taxi driver. Potential is based on the rate and the time each ride consumes. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

**Parking Lot**  
 Grades 4-9. The learning objective is to make the greatest business profit by applying the law of supply and demand. The student attempts to fill all the spaces in a parking lot by charging the highest monthly rate that the traffic will bear. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

**Pre-Calculus**  
 An introduction to calculus and trigonometry. Educational programs for plotting and comparing functions, manipulating range. Solve triangles, learn polar coordinates, overlay functions on same graph or manipulate range. Solve triangles using SAS, ASA, SSS, and SSA methods. More. \$49.95  
**True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC**

**Probability Theory**  
 Introduction to probability theory and decision-making processes. Simulate coin toss, dice throw, and random walks. Introduce normal and poisson distributions and the Central Limit Theorem. Bayes Probabilities, Markov Chains. Many useful examples like gambler's ruin, Galton Box, birthday problem, and craps. Tools for Venn diagrams, more. \$49.95  
**True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC**

**Scare City Motel**  
 Grades 4-9. The learning objective is to maximize business earnings by equating supply with demand. As a motel owner, the student's goal is to make the highest profit. If there are more customers than rooms, rates can be raised. If too many rooms are empty, rates should be lowered. The learner's business skill is evaluated. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

**Space Math**  
 An out-of-this-world way to learn math for children ages 8 and older. The object is to maneuver your space craft through outer space to land on alien planets. Earn points for correct answers and perfect landings. Eight levels of play and 27 possible difficulty settings. \$14.95  
**Intracorp, Inc., 14160 S.W. 139th Court, Miami, FL 33186, (800) 468-7226**

**The Enchanted Cash Register**  
 A great way to teach children about money. Run an imaginary or real store. Figure totals and change due. Keep an inventory list with prices and descriptions for easy use. Fun graphics interface to make learning fun. \$39.95  
**Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501**

**The Math Advantage**  
 Talking elementary math tutorial, now with a great new game, Equation Invasion, 10 levels of math through simple division. Course is self-adjusting to fit the student and recognizes learning disabilities, such as digit reversal. Designed to be just like hiring a math tutor. Requires 512K. \$29.99  
**ISOM Software, 2614 Bowling Green Drive, Vienna, VA 22180, (703) 849-1838**

**Trigonometry**  
 A general-purpose software tool which can be used to illustrate concepts in a trigonometry course, or advanced algebra with a trigonometry unit. Solving triangles, roots of functions, combining functions, trigonometric identities, and polar coordinates, with a choice of radians or degrees for examples. \$49.95  
**True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC**

**TrueSTAT**  
 Educational programs use an interactive approach to introduce statistical analysis. Many topics. Features built-in editor and syntax. \$49.95  
**True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC**

## ◆ ◆ ◆ MUSIC ◆ ◆ ◆

**Fun Keys**  
 A educational music program allows your children to play beautiful music with your Amiga. With Fun Keys, your keyboard becomes an electronic organ. You can play different sounds and instruments on the keyboard while Fun Keys accompanies you with one of 18 different background beats. You can record your music, play it back, or change the speed of the beat. Ages 4 to adult. \$24.95  
**MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818**

**Music of Asia**  
 Volume One in a series. Each volume uses a control-panel interface with book-like features: contents, glossary, user-controlled page-turning, and page-skipping. The first volume, Gagaku, presents the history and theory of 'elegant music' at the Japanese Imperial Court. Three-disk set, with over 15 minutes of music. \$34.95  
**Mesa Graphics, 909 East 49 1/2 St., Austin, TX 78751, (512) 452-2441**

**Take Note**  
 Take Note is ear/sight training for musicians. Besides helping you develop your aural recognition skills with a flexible set of drills covering everything from single pitches to over 30 scales. Take Note, gives you a better understanding of what you hear by allowing you to enter and view musical forms on the staff, for piano and guitar. \$79.95  
**Take Note Software, 285 Divisadero #3, San Francisco, CA 94117-3226, (415) 431-9495**

## ◆ ◆ ◆ SCIENCE ◆ ◆ ◆

**All About Whales (story diskette)**  
 Fun and informational story all about whales. Learn different types and classifications of whales. What they eat and where they live, plus much more. For use with Talking Storybook reader diskette. \$29.95  
**Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501**

**Astronomy Disks**  
 User-written astronomy and space-science public domain and shareware software collection. Send SASE requesting Amiga catalog. \$4.00  
**Kinetic Designs, P.O. Box 1646, Orange Park, FL 32067-1646**

● **CoreWars**  
 An implementation of the CoreWars system environment as published by A.K. Dewdney in Scientific American's 'Computer Recreations'. In the CoreWar system, two programs are written in a language called RedCode, which consists of eight simple instructions. The two programs are compiled and placed together inside the computer's 'Core'. The object is for each program to seek out and disable the other program causing the other to cease running. This system includes the assembler, the run-time system and full on-disk documenta-

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# Education

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tion. This can be used in a computer science class as an introduction to machine/assembly language. AmigaDOS 2.0 compatible. \$24.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

**Distant Suns Expansion Disk-Deep Sky Objects**  
 Deep Sky Objects shows 213 scanned observatory images of galaxies, nebulae, and star clusters. Most of the objects from the Messier Star Catalog are included, as well as over 1200 NGC (New General Catalog) objects. Point and click to an obscure pinprick of a star and see a detailed photograph of how it looks to professional astronomers using high-powered visual instruments. Black and white images displayed in a box similar to 'telescope' mode in Distant Suns. Installable on hard disk. See Distant Suns in Education category. \$30.00  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

**Distant Suns Expansion Disk-Sky Map Level 1**  
 Sky Map adds more than 20,000 additional 'Distant Suns' to your sky. The data for these stars, such as location, luminosity, etc. was taken directly from NASA's own deep-star catalog, which is comprised of relevant information on over a quarter-million stars. Skymap includes the brightest stars from the catalog, or those with magnitudes of 7.25 or brighter. The result is visually gorgeous. Data can also be displayed about these stars. Hard disk installable. Two-disk set. See Distant Suns in Education category. \$25.00  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

**Distant Suns Expansion Disk-Yale Bright Catalog**  
 Yale Bright Star Catalog adds 9,100 more stars to your Distant Suns sky, which already has more than 2,200. The user is able to pull up data on more than 7,000 of these stars. Hard disk installable. See Distant Suns in Education Category. \$18.00  
*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

**I.C.E. Integrated Calculation Engine**  
 Programmable calculator construction system. Design customized calculators which are fully programmable and include an integrated program editor. Over 50 advanced functions are included supporting math, engineering, scientific, logical, trig, statistical, and financial operations. Additional functions can be user programmed. Alternate key sets on each calculator allow binding of complex formulae to single keys. Hex, decimal, and binary systems are supported. Graphic plotting window with scalable grid for visual data analysis. HOT KEY activation of calculators. Fully intuition-compatible for multitasking versatility. Example calculators and programs included. \$49.95  
*King Publishing, 1200 Treadway #226, Austin, TX 78704, (512) 448-2414*

**Physics of Motion**  
 A tutorial and self-study guide of mechanics with interactive problem solving. \$49.95  
*Lee Software, P. O. Box 742644, Dallas, TX 75374, (214) 530-2864*

**RangeFinder**  
 This is an AmigaVision multimedia physics lesson on projectile motion, recoil velocity, and the force of friction. After instructions and demonstrations of the effect of muzzle velocity and cannon angle on a cannon ball's trajectory, the students are presented with a wide-angle view of a landscape, a cannon, and a target. The students try to hit the target by adjusting the cannon angle and ball velocity. Requires AmigaVision, 3MB RAM and about 2MB available on a hard drive. AmigaDOS 2.0 compatible.  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

**SC-928 Blood Bank**  
 Grades 5 to 9. Increase the supply in a blood bank by mastering a set of basic terms about the human circulatory system. If responses are wrong, or a review is requested, the supply is depleted. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SC-929 Explorer's Digest**  
 Grades 5 to 9. Display your mastery of a set of basic terms about the human digestive system and help

Lewis and Clark expedition reach its destination. A map charts the course of the expedition. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SC-930 Second Wind**  
 Grades 5 to 9. Run a four-minute mile by displaying your mastery of a set of basic terms about the human respiratory system. Graphics are included. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SC-931 Salvage**  
 Grades 6 to 9. Demonstrate your mastery of a set of basic terms about the human excretory system. The learner is portrayed as the operator of an aluminum recycling center. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SC-932 Sunnyside Up**  
 Grades 6 to 9. Become a successful egg farmer by demonstrating mastery of a set of basic terms about the human reproductive system. The more you know about reproduction, the more eggs your chicken will produce. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SC-935 Planet Probe**  
 Grades 3-9. Teaches facts about the solar system through an arcade-style space simulation. Learn about planets and build up fuel supply as you attempt to land space ships safely on nine planets. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SC-955 Save the Whales**  
 Grades 4 to 9. Guide the whales through pirate waters to safety by displaying your knowledge about them. The program uses a game format. NTSC only. \$39.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SciPak1**  
 Collection of scientific and mathematical programs gathered from a variety of public domain sources and collected for those interested in scientific and mathematical computing. \$10.00  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*  
**Please see display ad page 17.**

**Science Expansion Disk for Discovery**  
 Grades 9-12. For education or SAT preparations. Covers general science. Requires Discovery program disk. \$19.95  
*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

**Small**  
 Simulated Mini Assembly Level Language is an assembly language consisting of 20 easy-to-understand and use mnemonics (LDA, STA, REM, JSR, RTS, ADD, CMP, etc.). Small uses a fully intuition-driven interface for entering, running, editing and all other functions. The main screen simulates a calculator keyboard where all functions are selected by clicking on the appropriate buttons. On-Line help is available at any time via menu selections. AmigaDOS 2.0 compatible. \$24.95  
*SterlingWare, Inc., Whiteside Area Vocational Center, 1608 Fifth Ave., Sterling, IL 61081, (815) 626-5810*

**Solar Ephemeris 2.0**  
 Package determines the position of the sun and calculates the angles of the shadows that it casts. This information is essential to those who are involved in projects that utilize solar energy, for conservationists. A variety of printout options are provided, to satisfy the specific requirements of users. \$39.95  
*AusTechnoCorp, c/o Moore College, King Street, Newtown NSW 2042, Australia, (011) 612-516-3723*

**Solar System (story diskette)**  
 Another talking story for the Talking Storybook. Children learn about the planets in the solar system through graphics, text, speech, sound, and music. \$29.95  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

## ♦ ♦ ♦ SOCIAL STUDIES ♦ ♦ ♦

**ED/SS**  
 Social Studies Expansion Disk for Discovery politics, religion, population growth, and more. For grades 9 through 12. Requires Discovery program disk. \$19.95  
*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

**ED/SS-909 Social Studies Vocabulary**  
 SS-909 Helps students develop a useful vocabulary in the area of social studies. Social studies vocabulary is elementary level. Social studies vocabulary in farming, forest, desert, ocean, manufacturing, trading, and political fields. NTSC only. \$29.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**How a Bill Becomes a Law**  
 The student becomes a Congressperson trying to get a bill passed in the U.S. Congress that would require a Jonathan apple to be included in every federally financed school lunch. The object is to accomplish this goal without jeopardizing the player's political career. The student must make decisions on moral and strategic issues and bargain for support. Seven possible outcomes enhance student understanding of political compromise and present the conflict of ethics versus political success. Requires 256K, 512K recommended. \$45.00  
*Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224*

**SS-950 Christopher Columbus**  
 Next year, Americans will mark the 500th anniversary of Columbus's first voyage to the New World. He was not trying to get there. Neither Columbus nor anyone else in the Old World knew it even existed. He thought he had reached China. This careful account will acquaint you with what is known about the basic facts of Columbus's life—including his three other voyages to what we now call the Americas. Includes on-screen maps that will show you where he went, and why. Two disks; NTSC and PAL. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**SS-960 Women in Ancient Greece and Rome**  
 This is a book-with-software approach to instruction. Both the book and the software may also be used independently of one another. The teaching strategy features Mastery Learning. NTSC and PAL. \$49.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**The United Nations: An Introduction**  
 An introduction to the United Nations and its affiliated organizations. Designed for grade school age children as an introduction to the U.N. Ideal for children from grades four through eight. Multimedia application. Requires 1MB of memory, AmigaVision, and hard disk. \$49.95  
*Creative Edge Systems, 1436 N. Prospect, Ypsilanti, MI 48198-3067*

## ♦ ♦ ♦ TEACHING AIDS ♦ ♦ ♦

**AU-901 CLAS Computerized Lesson Authoring System**  
 For those who wish to create their own interactive teaching lessons, but have no programming skills. CLAS has the answer: Tell the Amiga what you want and let it write the program. CLAS lets you write imaginative programs that utilize all the Amiga's capabilities. You can use the digitized picture screens, add voice and music, and custom-design all your programs. CLAS contains English, German, Spanish, and French alphabets. NTSC and PAL. \$129.95  
*MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242*

**Barney Bear Goes Camping**  
 Barney Bear Goes Camping is a fun, educational, and learning game for children ages 2-6. The game is filled with graphics specially designed to interest young children. It includes a story, a maze game, connect-the-dots, shadow game, coloring book, the ability to create a slide show, and more. Requires 1MB. \$34.95  
*Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609*

## Barney Bear Goes to School

Barney Bear Goes to School, a musical, colorful learning game for children ages 2-6, contains counting games, letter games, colors, shapes, and a coloring book program with over a dozen pictures. See CDTV section also. \$34.95  
Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609

## Barney Bear Goes to Space

Barney Bear Goes to Space, a learning game for children ages 2-6, introduces the concepts of the planets, the sun, gravity, and space travel with stories, games, graphics, and animation. \$34.95  
Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609

## Barney Bear Goes to the Farm

Barney Bear Goes to the Farm, a learning game for children ages 2-6, contains short 'I can read' stories, a scarecrow with interchangeable heads, torsos, and legs, a coloring book program, a 'What belongs' game, and of course, lots of graphics, sounds, and music. \$34.95  
Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609

## Barney Bear Meets Santa Claus

Barney Bear Meets Santa Claus, a learning game for children 2-6 contains a memory game, a mix-up-the-parts toy machine, and a coloring book program. \$34.95  
Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609

## ◆ EZ-Grade v1.2

EZ-Grade is a complete class management system for maintaining grades, attendance, student information, and more. View your data graphically and choose from a wide selection of printouts. Requires 1MB. \$59.95  
Integral Software, 9535 Wessex Place, Louisville, KY 40222, (502) 425-3948

## ◆ Mr. Robot's Speak'n Spell

Picture-oriented word game for ages 6 and up. Players try to match words with pictures and clues. Includes music, crossword puzzles, animated talking robot, and 1020 color pictures (20MB uncompressed). Teaches over 1000 word spellings, meanings, and pronunciations of increasing difficulty in 204 levels of play. \$49.95  
Brain Technologies Co., P.O. Box 215147, Sacramento, CA 95821, (800) 272-4601

## Teachers Toolkit V 1.0

Comprehensive system for teachers in all grades. Has built in gradebook, lesson planning, text editor, Rolodex, and calendar system. Also implements line and bar graph routines for student comparison charts. \$49.95  
TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071

## ◆ ◆ TEST PREPARATION ◆ ◆

### Analogies I

Students will improve aptitude test scores as they learn how to analyze and solve analogies with a step-by-step approach. Package includes tutorial (step-by-step) and drill (remediation on all wrong answer) disks. \$65.00  
Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224

### Analogies II

Designed to help prepare students for the analogies section of college aptitude tests. \$65.00  
Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224

### College Aptitude

#### Reading Comprehension Exercises

Excellent practice and training for all high-school or near high-school grade level readers. Also helps prepare for college aptitude tests. Three disks. \$65.00  
Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224

## Language Expansion Disk for Discovery

Speech, grammar, vocabulary, communications, and much more. Prepare for SAT's. Requires Discovery program disk. \$19.95  
Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345

## Preparing for College Boards

Extensive tutorial for aptitude tests covering analogies, antonyms, reading comprehension, sentence completion. Requires 256K, 512K recommended. \$60.00  
Intellectual Software, Division of Queue, Inc., 338 Commerce Drive, Fairfield, CT 06430, (800) 232-2224

## Sentence Completion

Reading comprehension exercises help students improve scores on sentence completion items on college aptitude tests. The program provides numerous examples and practice exercises which strengthen the ability to solve sentence completion problems. \$34.95  
Queue, Inc., 562 Boston Ave., Bridgeport, CT 06610, (800) 232-2224

## StudyWare for the SAT

Twenty-nine different SAT topics will be covered with 860 on-screen questions, two StudyWare and two Cliffs full-length exams, and complete on-screen explanations for correct and incorrect answer choices. StudyWare for the SAT will also feature true math symbols, graphs, and hints on-screen. A handy on-screen glossary will be available with a keystroke or mouse click. For keeping track of one's improvement, progress reports and charts that can be printed out can be generated at the end of each test. \$49.95  
StudyWare Corporation, 4760 Murphy Canyon Road, Ste. A, San Diego, CA 92123, (619) 495-0190

## ◆ ◆ ◆ TYPING ◆ ◆ ◆

### Mavis Beacon Teaches Typing

Want to learn how to type? We have the answer. Our award-winning program customizes the perfect typing course to your individual needs with the help of true Artificial Intelligence. You learn fast with the world's finest typing instructor at your side every time you practice. Mavis makes learning interesting and fun! With lessons and games that teach. \$49.95  
Software Toolsworks, The , 60 Leveroni Court, Novato, CA 94949, (415) 883-3000

### Typing Tutor+

Word Invaders Typing tutor/game. Typing Tutor+ teaches touch typing. Word Invaders uses games to teach typing techniques. Blast the invading words out of the sky. Game speed, selections for beginner to advanced. \$34.95  
Academy Software, Inc., P. O. Box 6277, San Rafael, CA 94903, (415) 499-0850

## ◆ ◆ ◆ MISCELLANEOUS ◆ ◆ ◆

### CellPak

Collection of cellular automata programs gathered from a variety of public domain sources. \$10.00  
MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104  
Please see display ad page 17.

### FASTFACTS Trio: The United States, The Solar System, & The Elements

United States: A United States map with point and click access to detailed information on all 50 states. Also includes U.S. Constitution and Declaration of Independence. Solar System: A view of the solar system with point and click access to detailed information on the sun, asteroids, planets, and their moons. Element: A colorful periodic table with point and click access detailed information on each of the 106 elements. Soon to be shareware. \$15.00  
BTPSoftware (see also Jumpdisk), 3515 Race Lane Road, Okeana, OH 45053

### ◆ Fun School 3

Fun School 3 for the Under 5s consists of six educational activities that help to develop many skills including number, shape, and word recognition.

Your child can learn at his/her own pace. Beautifully-created pictures, stunning animation and exciting sounds make learning fun and effective. Three packages, each with a suite of six multilevel programs. Each program is aimed at different age groups: under five, five to seven years, and over seven. There are several levels of difficulty in each activity. A parent-teacher's guide is included. See CDTV section. \$49.95  
Europress Software, Europa House, Adlington Park, Macclesfield, Cheshire, England SK10 4NP, (011) 4462-585-9333

### ◆ Fun School 5 to 7s

The five to seven pack follows the under 5s successful formula of six educational games, each with several levels of difficulty, covering all the children's favorite subjects. These help develop many skills including number and word skills at a child's own pace. The games are Toyshop, Electricity, Collect, Funtext, Time, and Journey. Beautifully, created pictures, stunning animation and exciting sounds will keep children coming back for more again and again. \$49.99  
Europress Software, Europa House, Adlington Park, Macclesfield, Cheshire, England SK10 4NP, (011) 4462-585-9333

### Magical Myths

Three stories with graphics, glossary, and questions. Several games, mini-word processor. Ages 8-12, one to two players. Helps build important vocabulary and comprehension skills while learning about the wonders of the ancient Greek myths. Uses speech. \$49.95  
Unicorn Software Company, 6000 South Eastern Ave., Building 10, Suite 1, Las Vegas, NV 89119, (702) 597-0818

### Memory Challenge Series #1

Education game for ages 3 and up. Helps teach memory recognition, retention, and recall. First match all pieces, then put puzzle together. Configurable by parents with built-in editor. \$39.95  
TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071

### My Paint

A paint program just for kids! Offers children an easy, fun introduction to the Amiga by painting on the screen with the mouse. Features animated icon drawing tools, various brush types, an 'undo' function, and 28 pre-drawn pictures to color in, like a computerized coloring book! Each picture has a sampled sound to accompany it. 'Reveal Surprise Picture' mode lets any child draw a perfect picture or the child (or adult) can draw his or her own picture-perfect masterpiece. Designed for children, but fun for all ages! Requires 512K and one drive. \$49.95  
Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### Trivia 1 Expansion Disk for Discovery

Trivia categories include Nobel Prize winners, sports, and famous quotes. Discovery program disk required. \$19.95  
Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345

### Trivia 2 Expansion Disk for Discovery

Trivia categories include movies, space travel, and famous people. Discovery program disk required. \$19.95  
Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345

### ● WallyWare Cryptograms

Based on the simple-substitution cipher, Cryptograms challenges players to decode short messages, often a witty or humorous quote from a famous person. Its unique word processor-like interface coupled with an array of menu functions create an ideal platform for creating or solving cryptograms. Supports ACA standards. PAL, NTSC, 1.3 and 2.0 compatible. \$39.95  
WallyWare, 1324 Parkwoods Terrace, Midwest City, OK 73110, (405) 733-2768

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## ❖ ❖ ❖ BUSINESS & HOME ❖ ❖ ❖ PRODUCTIVITY GENERAL

● **ACE/Automated Catering Environment**  
ACE v3.0 comes with 140 professional catering recipes and also includes The Celebrity Cookbook, Vol.1. The program combines a smart database, word processing, and spreadsheet package in one program module. Recipes may be resized from one to 9,999 servings using both American and metric measures. The word processor database expands to the user's memory and can hold files over 100 pages in length. Features include wordwrap, margin settings, address or index card printing (labels), search/replace, margin settings, cut and paste and full disk search of file contents. ACE contains 16 expandable food groups and six expandable wine guides. It also includes on disk instructions with multiple help screens, an import and export module, and the ability to print multiple copies, ingredient lists, stock summaries, address labels or index cards, stores one year of sales. Available for all Amiga systems. Requires 1MB. Also supports DOS 2.0. \$79.95  
*USA Media, 7810 Malcolm Road, Clinton, MD 20735, (301) 868-5494*

◆ **Animations by Kati**  
Many titles are available from this remarkable Artist/Animator to add new life to your Special Event videos. Twenty floral motifs for your Intros, three Cocktail Hour, eight heart designs, twinkling stars, confetti, balloons, stained glass window, Star of David, Candle Lighting Ceremony, and 18 different locations animations for Honeymoons. All animations were created in hi-res eight or 16-color modes and may be played back using any standard Amiga ANIM player. Demo tape is available in VHS format for \$15.00. \$25 to \$75 each.  
*Mr. Hardware, P.O. Box 148, C.I., NY 11722, (516) 234-8110*

● **CAL, Calendar Maker**  
Create your own custom calendars. Print any size from wallet to wall. Accepts fonts or uses library provided. Keep several calendars under different names. Set your own starting dates. Accepts information from applications like NAG Plus via ARexx. PAL compatible and 2.0 compatible. \$79.95  
*Gramma Software, 17730 15th Avenue N.E. Ste. 223, Seattle, WA 98155-3804, (206) 363-6417*

**CBTREE 3.0**  
Portable B-tree multi-key ISAM file manager with C source code. Features include record locking, fixed or variable length records, and index caching. CBTREE's ISAM interface is fast, powerful and flexible. CBTREE handles the technical details of how to quickly store and access your data records. Ideal for business applications. Supports Lattice and Manx compilers. \$139.00  
*Peacock Systems, Inc., 1730 N. Lynn St., #A11, Arlington, VA 22209, (202) 575-8185*

### ◆ Charts&Graphs

Charts&Graphs provides the user with a weapon in the daily battle of communicating complex ideas. Charts&Graphs gives the user access to over 45 different charts. There are line, column, bar, pie, and text charts. Charts can be combined to produce compound charts. Charts can be 2-D or 3-D. Import data from spreadsheets; output charts to preferences and PostScript printers. Save charts as PostScript and IFF files; import charts into Amiga DTP and word processing software. \$99.95  
*TRSL-Technical Resource Systems Laboratory, 3950 Koval Lane, Ste. 3049, Las Vegas, NV 89109, (702) 737-0880*

### ◆ DataEasy v1.4

DataEasy is a very easy-to-use Database program with a point and click user interface. Each record, out of a maximum of 32,766, must fit on a screen. DataEasy will dial the phone, speak the contents of a record, sort, print records and form letters, and even let the user redefine the database. Each field can be several lines long. Both random access and sequential database files are supported. The price includes AmigaBasic Source Code. Requires 512K RAM, 1 disk drive, AmigaDOS 1.3. NTSC only. AmigaDOS 2.0 compatible. \$12.00  
*Bytes and Bullets, Route 3, Box 3532, Manchester, TN 37355, (615) 596-2077*

### ● FLO, Floor Plan Construction Set

An aid to floor plan design. Industrial standard libraries of home and professional furnishings. Handicapped access standards. Create and arrange rooms and areas, and print in several scales; metric or English grid. Site plans. 2.0 compatible. \$79.95  
*Gramma Software, 17730 15th Avenue N.E. Ste. 223, Seattle, WA 98155-3804, (206) 363-6417*

### ● FRED, Speed Dialer

Speed data telephone book that stores data in three fields, 286 characters each. Works with or without modem. PAL compatible. Point-and-search capabilities and has call log, and will attach notes to names or numbers. ARexx port. Report generator, 2.0 compatible. \$79.95  
*Gramma Software, 17730 15th Avenue N.E. Ste. 223, Seattle, WA 98155-3804, (206) 363-6417*

### Flow 3.0

Fast information entry and editing. What you see is what you get display. Spell checker. ARexx port. Macros, when used with ARexx. Create outlines up to 20 levels deep. Collapse and expand outline to see only important parts. Rearrange outline by dragging with mouse. Sort outline topics. Fully customizable automatic outline numbering. Automatic page numbering with five different styles. Insert current date and time. Word count and readability level calculation. Up to 10 documents open at the same time. Headers and footers. Custom page sizes. Complete printer control. Comprehensive keyboard commands. Customizable defaults. Import outlines into ProWrite. Full support for Kickstart 2.0. Requires Kickstart 1.2 or later and 512K of memory. \$69.96 including VAT. \$110.00  
*New Horizons Software, Inc., 206 Wild Basin Road, Ste. 109, Austin, TX 78746, (512) 328-6650*  
**Please see display ad inside back cover.**

### ◆ Freelance Escort v1.0

Designed for animators, writers, photographers, artists, video editors, consultants, and anyone else who sells their services. It is a complete management system which keeps track of client's needs, interests, appointments, special requests, payments made, and balances due. This completely integrated system creates and prints job contracts, customer receipts, sales tax reports. Jobs may be entered using both hourly or flat rate options. Tracking form prioritizes jobs, allowing users to view their status at a glance. All information of a variable nature such as company data, job pricing, and taxes can be modified by the end user. Requires 1MB RAM and a hard drive. Superbase Professional 3.02 and Superbase 4 versions available. \$99.95  
*Mr. Hardware, P.O. Box 148, C.I., NY 11722, (516) 234-8110*

### ◆ Gold Disk Office

A collection of five full-featured business applications that turn your Amiga into an integrated, easy-to-use, and highly productive office. The Office includes a word processor, database manager, desktop publishing program, spreadsheet, and business graphics program. In addition, the Gold Disk Office makes full use of Amiga multitasking, ARexx, and compatible file formats to provide a high level of integration and synergistic cooperation between programs. \$199.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

### HyperBook

An application generator that simplifies the process of creating, developing, and using personal and business applications, as well as presentations and interactive learning 'books.' Text, graphics, pictures (IFF), and scrollable lists are quickly created and positioned on 'pages' that can be linked to other pages to make a 'book.' Ease-of-use and power make HyperBook a powerful tool for home, education, and business applications. \$99.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

### ◆ InfoFile v1.2

Database program that can store and organize graphics and digital sound samples in addition to text and numerical data. Requires 512K, any Amiga model, and is Workbench 2.0 compatible. English, French, German, Italian, Norwegian, Swedish, Spanish, Danish, Dutch, Finish, NTSC and PAL available. Uses foreign keymaps. \$69.95  
*Disc Company, The, 11040 Santa Monica Blvd, Ste. 300, Los Angeles, CA 90025, (213) 478-6767*

### Inventory

This inventory management program is intended for people who want to keep track of things, where they are, how much they cost, when to reorder, and so forth. It is used in a multitude of different settings; in restaurants, aircraft assembly factories, liquor stores, component manufacturers, and so forth. The program has modules which keep track of the orders and sales. When parts are received the inventory is automatically updated. Similarly when something is sold, the appropriate item or items are removed from inventory. All updates show dates of the present update and of the last previous update. This program allows you to keep track of what is going on, hour by hour, where things are, where they are coming from, and where they are going. It's a simple common sense aid to efficient business practice. \$125.00  
*Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918*

### ◆ MailBase

MailBase Escort is a mailing list database which is specifically designed for merging multiple mailing lists into one list. It checks for duplication while importing, but it can also check your existing list for duplication at any time. It assigns unique numbers to all list entries for subscription list use. The program will print mailing labels by any number of criteria including state, date, zip code, source file, or alphabetical section, on dot matrix or laser printers. Requires Superbase 4, 1MB RAM and a hard drive. \$199.95  
*Mr. Hardware, P.O. Box 148, C.I., NY 11722, (516) 234-8110*

### ● NAG Plus Schedule Assistant

An appointment calendar and much more. NAG Plus is able to execute ARexx macros with one RMB click or automatically. Edits 15 years, 198 events per day. Dialer, notepad, point and search, on-screen HELP files, memory resident, and voice and sound reminders. PAL compatible and 2.0 compatible. \$99.95  
*Gramma Software, 17730 15th Avenue N.E. Ste. 223, Seattle, WA 98155-3804, (206) 363-6417*



# Business & Home Productivity

## ◆◆ NoteBook v1

Provides complete notebook capabilities: Text, vects, ellipse, lines, polygons, pages, tabs, IFF output, object-oriented drawing. Unique and useful tool for day to day jobs. Runs on any Amiga model, requires AmigaDOS 1.3 or 2.0. NTSC/PAL. \$29.95  
*Black Belt Systems, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230, (800) TK-AMIGA*

## ◆ Personal Escort v1.0

Personal Escort is an address book, an appointment and event tracker, a mailing label printer, a telephone number directory, a Christmas card list maker, and more. Requires Superbase 4, 1MB RAM and a hard drive. \$29.95  
*Mr. Hardware, P.O. Box 148, C.I., NY 11722, (516) 234-8110*

## Personal Finance Manager

Personal Finance Manager provides an easy-to-use way of looking after your bank account, building society account, credit cards, etc. It's WorkBench interface allows transactions to be entered or altered as easily as filling out a form. The number of entries is limited only by the size of the memory. Account entries are automatically placed in date order. Features include auto balancing against statement, movable and re-sizeable windows, account print option, and more. Graphic analysis includes balance plot, budget comparison, and spend pie charts. \$49.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## ◆ Personal Information Manager

Use your Amiga to deal with all the countless pieces of random information such as lists, plans, notes, contacts, actions, ideas, schedules, finances, zip codes, area codes, addresses, client profiles, and much more! You don't need to be a programmer to use this personal information manager! You can easily plan projects and events, build a knowledge base and a database to hold all the information you can think of in the structure you choose. Requires 1MB RAM, hard drive, AmigaDOS 2.0 or 1.3. \$159.95  
*Unique Design Software, P.O. Box 641, Shirley, NY 11967, (516) 281-1530*

## ◆ Personal Video Librarian

Comprehensive video collection management system. Menu-driven, easy-to-use screens, fast, flexible retrieval, online help, powerful report writer, user-defined fields, notes. Retrieve by any field or combination thereof. User-definable categories. Custom-design your own reports and labels or use those included with PVL. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 1.3 or 2.0 compatible. \$75.00  
*Personal Database Applications, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037, (404) 242-0887*

## ◆ PowerWorks

Bundle package consisting of MaxiPlan Plus 2.0, InfoFile, and Kindwords 2.0 (Spreadsheet, database, wordprocessor). Available in English, French, German, NTSC, and PAL. Requires 1MB, runs on A500, 1000, 2000, 2500. Amiga Workbench 1.3 compatible. \$199.95  
*Disc Company, The, 11040 Santa Monica Blvd, Ste. 300, Los Angeles, CA 90025, (213) 478-6767*

## ◆ Retail Escort v1.0

A complete point-of-sale system with customer database, supplier database, inventory control with stock balancing, order tracking with backorder function, mailing and price label printing, invoicing with account aging, and price quoting function. Our easy-to-use point and click interface allows the user to quickly complete a transaction with minimal effort. Inventory control system includes the ability to markup items by percentage according to type with instant profit feedback, date stamp and order point. A categorized price list creation function is included. Reports include sales tax reports, incoming COD's cash, check, or all, restock order list, supplier list, and more. Password protection prevents unauthorized use. All information of a variable nature such as company data, item pricing, and taxes can be modified by the end user. Requires Superbase 4, 1MB RAM and a hard drive. Cash drawer option available. \$399.95  
*Mr. Hardware, P.O. Box 148, C.I., NY 11722, (516) 234-8110*

## Secretary

Designed for everyone who wants more control over their time and life with functions that help organize activities. The program provides an 'at a glance' four-week schedule to do, follow-up, and reminder entries. You can search historical and future entries. The package also provides a full-featured phone/name and address capability including a 'quick index look-up' feature and ability to create mailing labels. Printout of weekly schedules and phone/address lists is also included. \$49.95  
*Expert Services, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690*

## The Disk Labeler

The Disk Labeler allows the user to print customized labels for 3.5-inch diskettes, and utilizes the features and fonts of the users particular printer. It also creates and maintains a catalog of all disks that have been labeled. \$39.95  
*Software Technology, Inc., P.O. Box 22066 or 10616 S.E. McLough, Portland, OR 97222, (503) 653-2090*

## Video Escort v2.0

Video Escort was designed specifically for Special Event Videographers. It is a complete management system which keeps track of client's needs, interests, appointments, special requests, response to last call, initial deposits, payments made, and balances due. This completely integrated system creates and prints job contracts, customer receipts, and more than 20 reports including a sales tax report. Stores and prints unlimited tape, music, and graphic libraries. All information of a variable nature such as company data, job pricing, and tax rates can be modified by the end user. Requires 1MB RAM and a hard drive. Superbase Professional 3.02 and Superbase 4 versions available. \$299.95  
*Mr. Hardware, P.O. Box 148, C.I., NY 11722, (516) 234-8110*

## ◆ Who! What! When! Where!

This desktop organizer keeps track of people, places, and things to do. Remind options include voice, screen flash, sound effects, or a bell. Supports ARexx. Prints out addresses, phone numbers, schedules, a calendar, and mailing labels. Includes a phone directory, appointment book, things-to-do-list, calendar, notepad, autodialer, and alarm clock. Allows cross-referencing and 14 different owners with the ability to share among them. Workbench 1.3 and 2.0 compatible, as well as NTSC and PAL compatible. All products are available for foreign distribution. \$99.95  
*The Blue Ribbon SoundWorks Ltd., 1293 Briardale Lane NE, Atlanta, GA 30306, (404) 377-1514*

## ◆◆◆ ACCOUNTING ◆◆◆

### Accounts Payable

Helps manage and track cash liabilities. Posts payments to general ledger or check ledger. \$99.00  
*Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512*

### Accounts Receivable

Indicates overdue accounts, records key customer information, tracks invoices, and prints statements automatically. \$99.00  
*Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512*

### B.E.S.T. Business Management V3.0

An easy-to-use, fully integrated business management and accounting system. Contains general ledger, accounts payable, inventory management, and services management. All purchasing, receiving, order processing, invoicing, and payment entry is provided through an easy-to-use Business Function process. Many standard reports are included in inventory management, services management, accounts receivable, and accounts payable. Custom reporting is available in the general ledger, inventory management, and accounts payable. Customer statements, purchase orders, invoices, and checks are prepared quickly and easily on professional-quality business forms. \$199.95  
*Software Technology, Inc., P.O. Box 22066 or 10616 S.E. McLough, Portland, OR 97222, (503) 653-2090*

## B.E.S.T. General Ledger

This stand-alone general ledger contains all the features of the integrated B.E.S.T. Business Management General Ledger including a three-year history, transaction entry, and editing, audit trail reports, journal listings, custom financial reporting, and easy end-of-month closing. Completely compatible with the fully-integrated B.E.S.T. Business Management for future upgrade purposes. \$79.95  
*Software Technology, Inc., P.O. Box 22066 or 10616 S.E. McLough, Portland, OR 97222, (503) 653-2090*

## Bottom Liner

Accounting program for home and small businesses. Check writing, spreadsheets, 700 user-defined accounts in budget, income, expenses, assets, liability, and equity. \$269.00  
*Clockwork Computers, 2904 Captiva Way, Sarasota, FL 34231, (813) 923-0493*

## Budgeteer

A practical, low-cost budget preparation package designed for home and small business use. Features an easy-to-learn interface that uses the Amiga mouse, menu, and windowing environment to record actual and budgeted monthly expenses and credits. Data can be presented in tables, pie charts, or one of 36 bar charts, all of which can be output to any of the printers supported in Preferences. Requires 512K RAM. Not copy-protected. \$39.95  
*Prakticon, Inc., 1729 B Lamoureux Drive, Orleans, Ontario, Canada K1E 2N3, (613) 834-9349*

## Check Ledger

Single-entry bookkeeping system for small business or personal use. \$99.00  
*Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512*

## ◆ DAY-2-DAY Professional

Networkable order-entry/point-of-sale and customer database system with advanced accounts payable functions, inventory, perpetual sales tracking, and salesperson commission computations. Ideal for retail, wholesale, or manufacturing businesses. System speed and parameters limited by hardware only. Integrates with the Accountant, General Ledger, and payroll systems. AmigaDOS release 2 compatible. Requires hard drive and 1MB chip RAM. \$695.00  
*KFS Software, Inc., P. O. Box 897, Corning, CA 96021, (916) 824-2944*

## Desktop Budget

A personal finance management program for every budgeting concern handled in an icon-based manner. Assists in setting up monthly payments, automatically performs month-end reconciliations, and year-end roll-overs. Program contains useful full-function calculator and personal icon editor. \$69.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

## Easy Loans™

Incorporates all the Amiga's Interface features to help users manage their loan and credit records. Keeps track of loan with remaining interest, principal, and time. Also helps uncover and avoid paying hidden or incorrect charges. Features flexible customization of amortization, viewing and printing of summary schedules, on/off speech and user-definable color palette setting, detailed printouts, and more. \$79.95  
*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

## General Inventory System

Keeps track of inventory levels and reorder list. Identify fast and slow movers, seasonal trends. Four cost levels, automatic sale flags, and multiple vendors. \$99.00  
*Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512*

## General Ledger

Comprehensive double-entry system. Includes audit trails, closing procedures, and full reporting. \$99.00  
*Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512*

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AMICUS FRS Index
AC's Back Issue Index
Vendor/Product Registration
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## Home Front™

Integrated home-management package. Balance your checkbook and prepare taxes with the accounting manager. Analyze investments and loans with the forecasting manager. Keep track of recipes and print shopping lists. Create address lists complete with important dates. Keep a current database of items in the home with the inventory manager. \$129.00  
*Designing Minds, Inc., 3006 N. Main Street, Logan, UT 84321, (801) 752-2501*

## Integrated Merchandiser

Point-of-sale and full accounting program with payroll. Automatic posting of sales to ledger. Operates a cash drawer. Up to 98,000 transactions per year. \$499.00  
*Clockwork Computers, 2904 Captiva Way, Sarasota, FL 34231, (813) 923-0493*

## Keep-Trak General Ledger

Record-keeping system for home or business use. It has many other features. \$49.99  
*Other Guys, The, 297 E. 200 N., P.O. Box H, Logan, UT 84321, (801) 753-7620*

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Nimbus is the easy new accounting system for small business managers who hate to do accounting! Posting, balancing, crediting, and debiting are at hand, with sales tax management, invoice aging, and multiple companies handled with Amiga's ease-of-use! Workbench 2.0 compatible. \$159.95  
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## Payroll

Accommodates all pay types and pay periods. Includes federal and state tax reporting, quarterly, tax statements, W-2's, paychecks, and cost accounting. \$99.00  
*Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512*

## Point-of-Sale Inventory

Includes an integrated sales order entry and invoicing feature for customer sales, tax-reporting, and profitability analysis. Post customer invoices to the accounts receivable module automatically. \$295.00  
*Computerware, P. O. Box 668, Encinitas, CA 92024, (619) 436-3512*

## Tax Plan

Calculate your federal income taxes for the year and forecast for the year coming. Fast and affordable, covers all forms that most taxpayers use. Prints IRS acceptable forms, handles multiple returns, audits, and identifies errors. User Guide and Tax Reference Manual included. \$34.95  
*Quality Business Systems, P.O. Box 805, Hudson, MA 01749, (800) 225-5800*

## ☉ The Accountant 2.0

Complete, integrated, accounting system with payroll, inventory, A/R, A/P, and general ledger including a general journal and 10 check registers. Four different point-of-sale options include an invoice writer, cash register system, and recurrent billings. Over 50 reports available. AmigaDOS release 2 compatible. \$299.50  
*KFS Software, Inc., P. O. Box 897, Corning, CA 96021, (916) 824-2944*

## The Billing and Disbursements System

Accounting for small businesses. Contact SaxMan Systems for price and description.  
*SaxMan Systems, 400 Walnut #403, Redwood City, CA 94063, (415) 368-6499*

## ☉ The Booking Agent 2.0

For the talent agency that wants to save time and money by eliminating manual record keeping and costly errors (like double bookings and no-shows). The Booking Agent automates scheduling and accounting for up to 400 acts. Contracts are printed at the time of posting as well as a daily posting sheet. Agents can search by date for open acts and print reports including schedules, income, unsigned contracts, unpaid commissions, deposits, confirmation notices, etc. Requires WB 2.0  
*Bigfoot Software, 912 Karl Street, Green Bay, WI 54301-2225, (414) 435-4500*

## The SaxMan Accounting System

A complete accounting system for single or multi-divisional companies.  
*SaxMan Systems, 400 Walnut #403, Redwood City, CA 94063, (415) 368-6499*

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### ARexxDB

A database records manager with complete access and control via a standard Amiga or ARexx port. Multiple applications in various programming languages (including ARexx) simultaneously control their access to the ARexx DB records manager using approximately 70 ARexx functions/commands (e.g. CREATEFILE, LOCKREC, READREC, WRITEREC, WRITEKEY, GETEXTID, etc.). Nearly all ARexx DB functions can give pre and post processing through ARexx scripts. No limit to the number of files opened at one time, nor the file size, nor number of indexes. Any number of programs can have simultaneous access to the same file(s). Variable length records to 65k. Dynamically allocated RAM data cache buffer (total RAM is only size limit). Quantity prices available to developers. \$125.00  
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### Computer Club Sign-In/Point of Sale Template

Template for Superbase Pro. For computer club member sign-in and treasurer's point-of-sale entry with receipt printout. \$39.95  
*John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90706*

### Contact

Personal contacts manager for Commodore Amiga. Dials phone, prints labels—including to PostScript; can send name/address to active document window. Non-printing comments can be included. Batch print option—for printing a chosen subset of mailing labels. Can also print label for single or all records. User can tag any text in an individual record as the sort key for that record. Supports Amiga clipboard. Demonstration disk available. Compact, memory-resident, activated by hotkey. ARexx-port and example scripts provided. Version 1.2 now includes CalcKey memory-resident calculator with memory functions, square root and boolean functions, binary, octal, decimal and hexadecimal modes. \$59.00  
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Ready-to-use database. Simply load using Microfiche Filer or Microfiche Filer Plus and begin entering your data. Professionally designed, commercial quality databases come with complete data definitions and forms for editing and printing. Record inventory, billing, important dates, expenses, employee records, and mail merge. \$59.00  
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### Home Management System

A management system that includes programs such as video media, music media, phone, addresses, and more storage database. \$49.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

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Integrated mailing database/labeling program. Organizes mailing lists and floppy libraries. Prints a large variety of standard and custom labels. ARexx

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### Mail-O-Dex

A rolodex, mail-merge manager, phone dialer, and label printer which directly supports most word processors. Version 2.4, which is currently shipping, has enhanced mail merge functions. It supports most word processors. \$49.95  
*KarmaSoft, P.O. Box 1034, Golden, CO 80402, (303) 277-1241*

### Microfiche Filer

Award winning database useful for home and business record keeping. Also has powerful graphic storage capabilities. \$99.00  
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File manager includes full programmer interface using ARexx. Thirty-three powerful new commands allow database access from any ARexx macro. Automatic field calculations, HAM picture storage, database programming, direct control over other applications, dynamic data import, and export with ARexx-compatible applications. \$179.00  
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### MultiBase

Uses record-locking to allow simultaneous access to data files from several terminals. Includes Multi-User System Software. \$249.00  
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### Omega File Data Base-Mail Merge

Mail-merge database for check registers, invoicing, inventory, etc. \$79.99  
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### Organize!

This flat-file manager is dBase-compatible and has 44 built-in mathematical functions that help build sophisticated custom reports. Database size is limited to disk space and memory. \$59.95  
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### Superbase Personal 2

Superbase Personal 2 is an easy-to-use 'relational' data manager for organizing, storing, retrieving, and reporting on information from multiple data tables—all without programming. Useful features include a text editor, mailmerge and telecommunications facilities, VCR-style browsing buttons, relational data entry, and the ability to link and retrieve external text, graphic, and sound files. Superbase Personal 2 has many of the features found in Precision's popular Superbase Professional 4 programmable relational database management system. \$149.95

*Software Publishing Corp., 3165 Kifer Road, P.O. Box 54983, Santa Clara, CA 95056-0983, (408) 986-8000*

### Superbase Professional 4 v1.3

Forms design, application development and relational database is the first new Amiga version of the Superbase technology since 1988, and includes major enhancements in form design, database definition, programming, performance, and documentation. Developed from Precision's Superbase 4 for Microsoft Windows 3.0, Superbase Professional 4 files support one billion records, new data types and attributes, 4,000 character text fields, logical fields, and PCX and GIF image formats, and can store and play sound samples as data. Import/export formats include DBF (dBASE), WKS (Lotus 1-2-3), and XLS (Microsoft Excel). It can also directly read dBASE DBF data and output from existing dBASE databases without conversions. New features include improved network operations which allow up to 32,000 concurrent users to access database files; SQL server support added; additional image formats and more display and printing options; increases speed; increased flexibility. \$495.00

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Template for Superbase Pro. To keep record of the Maxx racing cards (Winston Cup series). \$9.95  
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**dBMAN V**  
This is a dBASE III Plus-compatible relational database management system which allows most dBASE applications from PC DOS to run with no change on Amiga. Applications written in dBMAN V are fully portable over 39 platforms, including: PC DOS, LAN, UNIX, XENIX, AIX, Sun, DEC, A/UX, and mainframes. Includes scrollable windows, menus, UDFs, multi-dimensional arrays, data encryption, and password protection at field level, and more. \$295.00  
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## ◆ ◆ ◆ FINANCE ◆ ◆ ◆

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Amortization and cost evaluation. \$39.99  
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Money Mentor harnesses the power of the Amiga to compute and graph clear reports of your financial situation. Money Mentor has a unique system called Smart Scrolls, which studies previous transactions and remembers details about them. Budget System: 200 categories/Transaction System. \$95.95  
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The Advantage is a powerful, integrated spreadsheet, database, and graphics package. The program includes all of the standard features of spreadsheets plus automatic recalculation, user-definable functions, and an extensive library of statistical, financial and scientific functions. The Advantage fully supports ARexx. As well, the program effortlessly creates structured 2-D and 3-D charts and graphs that may be imported into Professional Page and Professional Draw retaining all color and fill pattern information. The charts and graphs can also be saved as bitmaps for use with any Amiga program supporting the IFF standard. \$199.95  
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**The Works! Platinum Edition**  
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WordPerfect Library features desktop accessories and productivity tools designed to increase efficiency and organization for Amiga users. The package includes Notebook, Calendar, Calculator, File Manager, and Program Editor. \$29.95  
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An easy-to-use electronic spreadsheet featuring 44 built-in mathematical functions, a macro language, and graphs. Analyze! is capable of reading and writing Lotus.wks files. Full mouse and menu support; full keyboard shortcuts for all menu items; full clipboard support. \$99.95  
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Full utilization of the Amiga Intuition user interface with economical use of memory. Multitasking, multi-windowing, multiple fonts and styles. Maximum spreadsheet size of 9,000 x 9,000. Simple operation, color graphics, and more. All data files created with icons to allow the user to manipulate both worksheet and text files under workbench. All commands accessible from the menu. \$39.95  
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A full-featured integrated spreadsheet/database program. Compatible with files from the popular Lotus 1-2-3 program, Maxiplan Plus provides the user with an integrated set of tools to store text and numerical data, perform analysis, and calculations based on that data, and display the results graphically in more than 100 different chart styles. There are over 70 built-in spreadsheet functions for performing a broad array of scientific, statistical, and financial operations. One 3.5-inch diskette, runs on any model with 512K and one disk drive. 1MB of memory and two disk drives are recommended. Workbench 2.0 compatible. \$99.95  
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**Superplan**  
Use the advantages of the Amiga for powerful spreadsheet operations. Pull-down menus, on-screen functions buttons or standard slash commands. Superplan's ARexx support allows for free exchange of data with other programs. Fully integrates with Superbase Professional. Spreadsheet dimensions stretch to 2048 rows by 1024 columns. Also provides full color output to a wide range of printers and plotters. \$149.95  
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**Unicalc 1.1**  
Electronic spreadsheet lets you enter, manipulate, and save information normally written on a multi-column ledger. Features 256 columns x 8192 rows, on-line help, multiple windows, multiple cell addresses, over 20 commands, over 10 arithmetic expressions, and over 30 algebraic and conditional expressions. Fully compatible with leading spreadsheets. \$15.00  
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Helps you keep up with stocks and mutual funds on a weekly basis. Features database, color graphics, and more. \$99.95  
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Consists of 100 ready-made spreadsheet templates for a wide range of personal and business needs. Each template can be used as is for immediate results, or as a starting point for creating your own unique applications. New templates for 1991 (Available January 15, 1992) taxes are included, with interactive forms 1040, A, B, C, D, E, F, SE, 2441, and 4562. Taxes are upgraded each year for 5.00. The collection also has templates for personal finance, home office, real estate, advertising, management, sales, budgets, accounting, and household applications. Available for Analyze!, Maxiplan, Superplan, and VIP Professional. \$39.95  
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# Business & Home Productivity

## ❖ STATISTICAL ANALYSIS ❖

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One of the most recent and most powerful techniques for optimization in engineering and technology is the application of statistical techniques to the problem of parameter and tolerance design. The techniques using orthogonal arrays were originally developed by G. Taguchi in a quality-control context, but a much more broader application was found. The type of problem that the technique addresses is the one of optimizing a preliminary design. After a design for a device has been prepared by specialists, it is always necessary to optimize that design, that is, to find out which of the many design parameters have the most important effect on the overall performance and reliability of the device. Similarly, production and maintenance costs can be optimized by determining which components have the greatest effect on lifetime and on failure or deterioration. There is no point, for example, in specifying high price materials for non-critical components. The optimization can be carried

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### Risk and Business Simulations

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## ❖ ❖ ❖ MISCELLANEOUS ❖ ❖ ❖

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## ♦ ♦ ♦ PROGRAMMING ♦ ♦ ♦ GENERAL

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Mark Scott at the Software Exchange is the AMOS PD librarian in America. Hundreds of disks are in the collection, packed full of AMOS Basic code for the beginner or expert. AMOS America is the club name and we work directly with Sandra Sharkey, the UK librarian. We are also suppliers of AMOS licenseware. Call for more information and a free AMOS PD catalog. 1-9 \$4.95 each; 10-24 \$3.95; 25+ \$2.95. Runs on any Amiga, AMOS Basic programming language.  
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invoked on either pass, and the results interpreted. A unique feature of Macro68 is the use of preassembled, resident include files for incredibly fast assemblies. These may be standard Amiga files, or any header files may be used. Additionally, a configuration file may be defined that will set up a particular environment, or insert specific code in all assemblies. Macro68 is compatible with the directives used by most popular assemblers. Output file formats include executable object, linkable object, binary image, pre-assembled symbol tables, and Motorola Records. System requires 1MB RAM, V1.2 OS or later. Call The Puzzle Factory in U.S. or Canada, DigiSoft in Australia or the rest of the world. \$150.00  
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# Programming

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the compiler listing generated to find constant, symbols, and nesting levels. Find references to symbols, constants, and labels with the cross-reference produced. Find logic errors in the Rexx program by using nesting levels and additional error messages. Find most errors with a single compile. Use Rexx variable interface to access symbols set from host. The programs that have been compiled can be invoked directly from Workbench, from the CLI as a command, or from any host. 2.0 compatible. Available December 1991. \$150.00  
*Dineen Edwards Group, 19785 West Twelve-Mile Road, Ste. 305, Southfield, MI 48076-2553, (313) 352-4288*  
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## X11 R4 LDS

Local Development System. Complete system for compiling, running and displaying XWindow applications locally under AmigaDOS using Lattice 5.10a. Networks: SANA Local, supports displays to 2K x 2K color. User interfaces: Twin, Open Lock. \$475.00  
*Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469*

## X11 Programmer's System for the Amiga

Develop X11 applications under AmigaDOS. Source code compatible with X11 release, 4 or UNIX bases machines. Works with Gfx Base's window system for the Amiga. Contents: X11 R4 include files, xlib athena widgets, toolkit, xmu, BSD socket library networks: ethernet DECnet (TSSnet) top/ip, SANA, arcnets and slip. Requires Lattice 5.10, 3 megs RAM. \$475.00  
*Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469*

## ◆ ◆ ◆ MUSIC ◆ ◆ ◆

## HMSL

Hierarchical Music Specification Language. An object-oriented Forth-based language for experimental real-time music composition. Complete MIDI toolbox supports mapping input to user functions, system-exclusive messages, recording, MIDI files, etc. Includes hierarchical event scheduler, custom user-interface builder, Amiga sound tools, graphical data editor, tools for algorithmic composition, and more. Source code included. Requires JForth. \$249.95  
*Frog Peak Music, P.O. Box 151051, San Rafael, CA 94915-1051, (415) 461-1442*

## MIDI-to-AdLib file converter

The file converter opens the market for low cost FM-synthesis sound boards to a wide range of high quality MIDI music. Over 85% of MIDI files can be converted to low cost boards. Files 15 to 20 minutes long are easily converted. The output file is a .ROL file fully compatible with AdLib's Composer song editor. It can be used wherever >ROL files are used. \$25.00  
*Patch Panel Software, 11590 Seminole Boulevard, Largo, FL 34648, (813) 397-3530*

## ◆ PROGRAMMING TOOLS ◆

## Modula-2 and the Amiga

The first complete guide to programming the Amiga in Modula-2. Contains 300 pages of tutorial information on programming the Amiga to do graphics, menus, gadgets, and other complex operations. \$99.95  
*Avant-Garde Software, 2213 Woodburn, Plano, TX 75075, (214) 964-0260*

## RX Tools

Complete AREXX extension set and tutorial aid. Makes creating AREXX applications easier and more powerful. Implement extensions for windows, gadgets, requesters, and more. Full AREXX editor included. \$54.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## Subroutine Library

CD-ROM development subroutine libraries for full text, fielded data, and multimedia applications. \$3500.00  
*Software Mart, Inc., 3933 Spicewood Springs Rd., Ste. E-100, Austin, TX 78759, (512) 346-7887*

## True BASIC Sorting and Searching

Fourteen optimized subroutines for string and numeric sorting. Allows case-blind, multikey, bubble, selection, heap sorts, and other customized comparison routines. Includes in-place quick sort and binary search routines. Includes the source. \$69.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## True BASIC—Programs and Subroutines

Learn to simplify and modularize your programs. By Craig. \$16.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## XView 2.0

Write, compile and execute XView compatible programs under the Xwindow system for Amiga DOS. Conforms to Xview or Unix based workstations. \$250.00  
*Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469*

## XView Programmer's Toolkit for Amiga

XView programmer's toolkit allows native development of XView-XWindows programs using the Lattice C compiler. XView is an X toolkit based on Sunview programming model allowing for easy parts of existing Sunview programs to XWindows environment. Produced by S & B Software. \$250.00  
*Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469*

## ◆ ◆ ◆ TEXT EDITORS ◆ ◆ ◆

## CygnusEd Professional 2.0

Impressive editing tool for the Amiga. Features turbo scrolling, easy to use macros, and keyboard shortcuts. Lines or blocks can be deleted or undeleted, paragraph formatting, and automatic word wrap. Up to ten files can be displayed at one time to edit, cut, and paste. Fastest programmer's editor available. Full AREXX interface. Automatic saving and even recovers data from most system crashes. \$99.95  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585*

## ◆ ◆ ◆ TUTORIAL ◆ ◆ ◆

## Advanced String Library

Tools and routines for the True BASIC language system. Features includes expression scanning, associative memories, text manipulation to fill and justify text, pattern matching, expression scanning character-set matching, and text conversion for English and Roman numerals. Also includes 38,000 word English dictionary. \$69.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## AmeegeaView™ V2.1

AmeegeaView is an object oriented, C language, Intuition front-end (library). AmeegeaView is an easy-to-learn standardized interface that provides over 100 easy-to-use routines and macros to completely control the set up and manage windows, screens, menus, requesters, gadgets of all types (including automatic mutual exclusion), bitmaps, all imagery, IFF, text, and much more. This consistent Intuition/graphics interface greatly reduces programming time and code space for professional applications development. AmeegeaView works with both Manx and Lattice (SAS/C). The distribution disk contains oodles of demo code in C and extensive documentation. You will be writing serious Amigaized user-interfaces in minutes (and we are serious about this). \$79.95  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722*

## AmigaDOS V1.3 Native Developer Update

Native Developer Update (November, 1988). A four-disk set for the native Amiga developer. The following files are contained on the disk; Include 1.3; Commented C and Assembler Include files; Include.strip 1.3; stripped Include files, 1.3 startups, Alink, Amiga.lib, debug.lib, atom, LVO offset lists and more; Autodocs 1.3; 1.3 autodocs summarize library, resource, and device calls; Readme 1.3;

Readme files and sample 1.3 printer driver sources. \$20.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Audiotools for the Amiga

Based on an article published in July/Aug 87 Amiga World, disk contains source and object in both C and Modula-2 that simplifies direct access to the audio device. Updated since publication of the original article, and includes the original unedited article text (with updates included). No licence required for use. \$8.00  
*DATAPATH, P.O. Box 1828, Los Gatos, CA 95031*

## GS-1000 Graphics Library

Library of over 90 graphics-oriented commands. Includes device-independent 2-D graphics, multiple viewpoints and screens, zoom panning, color mixing, and many other commands and a full-featured paint program. With source code, \$149.95. \$49.95  
*Rittinghouse Software Development Company, RR 2, Box 62, Parker, SD 57053, (605) 342-6229*

## Key to C version 2.02

Library of C functions for the Amiga, including source and object code for all functions for easy insertion into programs. Includes all documentation on disk. A 64-page reference manual. Also includes three utility programs. \$34.95  
*Data Research Processing, Inc., 5121 Audrey Dr., Huntington Beach, CA 91649, (714) 840-7186*

## Laserdisk Controller Software Library

This package is a linkable C library of routines intended to help application developers easily and immediately integrate the Pioneer LD-V2200 laserdisk player into their own applications. The library is Manx and Lattice compatible and addresses all features and modes of operation of the LD-V2200. The package includes test software and complete documentation and 'may be used right out of the box'. \$99.95  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722*

## True BASIC 3D Graphics

Create 3-D graphics with True BASIC 3-D graphics and the True BASIC language system. Supports perspective and parallel views, arbitrary oblique projections, cabinet, cavalier projections, circles, rectangles, grids, polygons, text plotting, and contour plots. Also provides basic animation tools. \$69.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

## DBC III Library for Amiga 2.0

An alternative to programming in the dBASE interpretive language. Create, access, and update dBASE III-compatible files without using dBASE. Open and process up to 10 data, index, or memo files. Source code available for \$25.00. \$25.00  
*Lattice, Incorporated, 2500 S. Highland Avenue, Lombard, IL 60148, (800) 444-4309*

## ♦ ♦ ♦ UTILITIES ♦ ♦ ♦

### Amiga Communications Library 1.0

The library supports AmigaDOS environments with a full set of functions for XMODEM, YMODEM, KERMIT, and ASCII protocols. Communications Library gives programmers the ability to select, open, and close a communications port; set baud rate, data bits, parity, stop bits, and buffer size; and send and receive characters from the communications port. Other functions dial and hang up the telephone; reset the modem; set automatic answering; send and receive files using ASCII, XMODEM, YMODEM, or KERMIT error-checking protocols; and display the progress of file transfers. Source code available for \$50.00. \$50.00  
*Lattice, Incorporated, 2500 S. Highland Avenue, Lombard, IL 60148, (800) 444-4309*

### Amiga Compiler Companion 1.0

Ten utilities designed to enhance the productivity of Amiga programmers. Extract file names from

directories; build command files; generate cross referencing of C source files; locate files by attributes; and more. Can be used with any programming language. \$20.00  
*Lattice, Incorporated, 2500 S. Highland Avenue, Lombard, IL 60148, (800) 444-4309*

### AmigaMOP Test Management Package Version 2

The AmigaMOP V2 is a data management and user interface for electronic test systems. Linkable and run-time libraries are included for writing the test programs and data handlers. Other features included in this version are safe memory support, dual multitasking/multiplexing test programs, and a help feature. \$349.00  
*Go Software, RR#1 Box 442 Spicer Road, Thompson, CT 06277, (203) 923-2348*

### C Language Library

Add-on library product for Benchmark Modula-2. All standard C language library functions are implemented for use in Modula-2. \$99.95  
*Avant-Garde Software, 2213 Woodburn, Plano, TX 75075, (214) 964-0260*

### C Toolkit

Collection of over 200 powerful C functions that compile and link with C programs. Perform tasks ranging from memory management to floating point manipulation. Includes 274-page manual containing a separate UNIX-style description and source code for every C toolkit function. \$39.95  
*Software Ingenuity, 11325 94th St. N., P. O. Box 10084, Largo, FL 34643, (813) 393-8240*

### ConMan

Replacement console handler that provides line editing and command history. Shareware, V.1.1. \$10.00 suggested contribution  
*William S. Hawes, P. O. Box 308, Maynard, MA 01754*

### Developer's Toolkit

Collection of machine-specific routines that facilitate access to ROM and other special Amiga features. Also includes access to Intuition. \$69.95  
*True BASIC, Inc., 12 Commerce Ave., West Lebanon, NH 03784, (800) TR-BASIC*

### ● F-Basic System Source Level Debugger (SLDB) 4.0

The SLDB functions in a fully-windowed Intuition interface, and allows the user of an F-Basic 4.0 program to debug at the Source level. A knowledge of assembly language is not necessary to use the SLDB. The SLDB allows the user to set breakpoints on source lines of the program halting execution, trace one source line at a time, go until breakpoint, etc. Allows the same functions at the assembly level. Valuable debugging tool for beginner or advanced programmer. Some features include viewing and altering 68000 registers, memory, variables, arrays, and records by name. A full-featured reverse assembler is also included. Version 4.0 adds many new features including facilitating the use of coprocessors and the advanced processors in the 68000/020/030/040 family. AmigaDOS 1.3 and 2.0 compatible. Runs on all Amiga models. Includes user's manual, and requires F-Basic 4.0 \$60.00  
*Delphi Noetic Systems, Inc., P. O. Box 7722, 2700 West Main Street, Rapid City, SD 57709, (605) 348-0791*

### ◆◆ Flex

Flex is a multi-media relational database which supports the following features to name but a few: fully multitasking-icon driven online help system and built-in file tools. Supports all IFF picture displays, anim files, IFF sample files and SMUS music files. Built in text viewer; fully AReXX compatible. Freeform print layout. Multiple ACTWE databases. Run time database creation for stand-alone databases. NTSC/PAL compatible, supports National keyboards, foreign currency and date types. Requires 1MB memory and two floppy drives. Hard disk recommended. Works under AmigaDOS 1.3 and 2.0. Price TBA. Available December 1991.  
*Optonica Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA, (011) 4445-555-8282*

## REXX PLUS COMPILER

Order the only REXX Compiler designed for the Amiga, so YOU can:

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# Programming

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## Flexe Lint for the Amiga

Finds errors, bugs, and inconsistencies that your compiler working on one module at a time will miss. Supports K&R C language and ANSIC. Finds inconsistent declarations, argument/parameter mismatches, uninitialized/unaccessed variables, unreferenced variables, suspicious macros, indentation, and more. Includes compiler options files for the Lattice and Aztec compilers. Version 4.0 features incremental linting and checking of compile time objects. \$98.00  
*Gimpel Software, 3207 Hogarth Lane, Collegeville, PA 19426, (215) 584-4261*

## GOMF 3.0

Allows recovery from Task Held and Guru Alerts. Preserves trap and exception vector tables, and allows removal of task or process at any time. Configures to 68000, 68010, 68020. Easily added to your startup sequence for automatic error trapping. Available in software version only at this time. \$39.00  
*Pro-Tronic Systems Ltd., 720 -6th Street, #227, New Westminster, B.C., Canada V3L 3C5, (604) 290-1631*

## HP LaserJet Print Program

The program prints text files on the HP Laser Jet III or standard character printers. It prints 80 characters on a line, breaking longer lines as required. On the LaserJet, the program leaves a 5/8 inch margin suitable for three-hole punching. It places page breaks at convenient locations in the text based on blank lines. It also features the ability to select files created after a user-specified date and/or time. \$25.00  
*Software Design & Engineering, P.O. Box 612375, San Jose, CA 95161-2375, (408) 297-3777*

## IFF and Image Resource Library

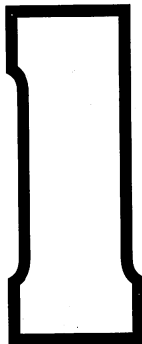
Add-on library product for Benchmark Modula-2. Functions for reading and writing IFF files. Tool for attaching IFF images to an executable file. Images can be accessed at run time as resources from the Modula-2 program. \$99.95  
*Avant-Garde Software, 2213 Woodburn, Plano, TX 75075, (214) 964-0260*

## InovaTools 1

InovaTools 1 was designed to increase programmers' interface construct options beyond those of Intuition. Included are function definitions in linkable C or system library format for the following: Drag Gadgets, Knob Gadgets (Analog-type circular knobs), Pop-Up menus, and over 40 other useful routines. Written by Todor Fay. \$79.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991*

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## LDebug 2.1

A debugger supporting Benchmark Modula-2, C.A.P.E. 68K assembler, and the Lattice AmigaDOS C compiler. Trace by source line, or by MC68000 instruction. Set breakpoints in multiple source modules or by clicking on a line of source code. Disassemble a source line by double clicking on it. \$49.50  
*LogiComp Software, 4010 Woods Blvd., Lincoln, NE 68502, (402) 423-6768*

## Lattice Screen Editor 1.1

Customize any keystroke, prompt, menu, and help message. Multi-window environment, keyboard macros. Three assembly language input modes, wrap-around word mode, C error tracking mode, and two levels of on-line help. \$15.00  
*Lattice, Incorporated, 2500 S. Highland Avenue, Lombard, IL 60148, (800) 444-4309*

## Library Source

Includes the original Assembly and C source to all routines in the Aztec RunTime Libraries. \$300.00  
*Manx Software Systems, P. O. Box 55, Shrewsbury, NJ 07702, (800) 221-0440*

## M2 Debug

Debugger for M2Amiga. \$100.00  
*A+L AG, Daderiz 61, 2540 Grenchen, Switzerland, (011) 416-552-0311*

## MetaScope: The Debugger

An application program debugger that provides a multi-window environment for you to observe and control the execution of your application program. It gives you sophisticated breakpoint and trace capabilities, full symbolic support, a direct to memory assembler, and much more. \$95.00  
*Metadigm, Inc., 19762 MacArthur Blvd. Ste. 300, Irvine, CA 92715, (714) 955-2555*

## O Debug

Runtime source level Debugger for Amiga Oberon. \$100.00  
*A+L AG, Daderiz 61, 2540 Grenchen, Switzerland, (011) 416-552-0311*

## Power Windows 2.5

A development tool that allows a programmer to interactively design a user interface—with menus, gadgets, custom screens, and multiple windows—using simple menu commands and mouse movements. Install the PW generated code in your original program and →ZAP→ instant interface! PW generates code in popular versions of C, FORTH, Modula-2, BASIC, as well as MC68000 Assembler. \$89.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991*

## Power Windows for Benchmark Modula-2, V2.5

Add-on product for Benchmark Modula-2. Create screens, windows, menus, gadgets, and other Intuition structures. Source code generated automatically. \$99.95  
*Avant-Garde Software, 2213 Woodburn, Plano, TX 75075, (214) 964-0260*

## Simplified Amiga Library

Add-on library product for Benchmark Modula-2. Functions simplify creation of Intuition screens, windows, gadgets, and menus. Only one line of source to create any of them. Functions for double-buffered animation, bobs, sprites, speech, console, and device. \$99.95  
*Avant-Garde Software, 2213 Woodburn, Plano, TX 75075, (214) 964-0260*

## Smart Fields

Simulates minicomputer input fields but fully utilizes Amiga graphic capabilities, allowing you to simultaneously specify titles, borders, and images. Uses compile-time library of C functions that link with Lattice or C programs. Handles all input editing and mouse cursor placement. Toggles between insert and type-over mode and allows full access to console keys. All field processing is transparent to the application. \$39.95  
*Software Ingenuity, 11325 94th St. N., P. O. Box 10084, Largo, FL 34643, (813) 393-8240*

## Software From Hell

Software routines, libraries, and utilities for Amiga programmers. Includes all open/close individual/specific/stereo channels, start/stop/flush/reset

audio channels, play: notes, frequencies, sampled sound effects; read IFF 8SVX sound effect files; many sound effects included in package. Also includes accurate time delays using Amiga hardware timers, track positioning, brush memory management, direct BLITTER access routines, and convert brushes to sprites. All source included with examples. All C source has been run through Lint for maximum portability among different compilers. Libraries provided in Manx Aztec C format. \$69.95  
*Conceptually Advanced Technologies, P.O. Box 3302, Santa Monica, CA 90403, (213) 452-1732*

## Software ToolKit

Manual and disk set which includes several utilities to assist developers with Amiga programming. WACK, Memacs, Debug, Keytoy, and more. \$25.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Source Level Debugger (SDB)

Interactive source-level debugger designed for fast response and ease in debugging. SDB lets user display all function action names; display values of passed parameters; examine values from any active function; customize the debugging environment with reusable command macros and procedures; use function or line-by-line tracing; set breakpoints by lines functions or variables; see actual C source as it executes; and more. \$125.00  
*Manx Software Systems, P. O. Box 55, Shrewsbury, NJ 07702, (800) 221-0440*

## Source Level Debugger and Tools

Add-on product for Benchmark Modula-2. Interactive mouse driven source level debugger, a post-modem debugger, execution profiler, source formatter, and other advanced programming tools. \$99.95  
*Avant-Garde Software, 2213 Woodburn, Plano, TX 75075, (214) 964-0260*

## T.A.S.A. (The Amiga Structure Automator)

Designs multiple screens, windows, gadgets, images, image data, sprites, borders, text, and more; it also produces the C language structures for them. Can decipher structures for future editing. Reads in IFF, generates hexadecimal data for IFF brushes. Requires 1 MB of RAM. \$54.95  
*Future Computer Applications, P. O. Box 6140, Santa Fe, NM 87502, (505) 984-0774*

## TASS 2.0

The modularity of TASS applications allows any TASS application to be used within any other TASS application. Thus, completed applications can be viewed as building blocks in a dynamic and ever-expanding application environment.  
*Mindware International, 110 Dunlop W. Box 22158, Barrie, Ontario, Canada L4M 5R3, (705) 737-5998*

## ◆ VIDEO PROGRAMMING ◆

### ProImage V1.21

ProImage is a custom, menu-driven presentation program which displays and updates video text screens/digitized images/animations. It supports hi-res and HAM images plus DCTV and HAM-E. It can send IFF images, Anim-5 ANIMS to any remote site reachable by phone or satellite. A powerful script capability uses the system clock to control date/time showing of pages or anims, and there's even a menu to reset the clock. Transitions include cuts, blinds, wipes. You can change, add, or delete pages remotely without taking the system off-line, creating a seamless look to the program. Pages may be compressed for transmission, then extracted remotely. A demo video tape is available. \$149.00  
*Communication Systems Engineering, 4 Todd Rd., Nashua, NH 03060, (603) 883-0223*

### Video-Link

A simulated remote control for interactive laser disc players and VCRs. May be run as a visible program or in the background. Full access from AREXX programs and hosts. \$49.95  
*Knowledge Media, 436 Nunneley, Paradise, CA 95969, (916) 872-3826*

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### 1.3 Enhancer Kit

Workbench and Kickstart for 1.3. For Amiga 500, 1000, and 2000 computers. \$29.95  
Commodore Business Machines, 1200 Wilson Drive,  
West Chester, PA 19380, (215) 431-9100

### ALF Streams

ALF Streams and ALF Backup runs with any SCSI Controller on SCSI Streamer which is produced after the rules of SCSI standard. Backup is also possible to any other hard disk or Syquest SQ555. Runs with A590 and A2091.  
Pre'spect Technics Inc., P.O. Box 53, Rte. de  
Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514)  
944-9696

### AccelerDisk

This utility installs a bootable Fast File System onto floppies. Unlike other attempts to put FFS onto floppies, AccelerDisk provides consistent, reliable performance, and can be used on DFO to boot up. Increases storage capacity, and increases directory access speed at least two to three times. \$29.95  
MJ Systems, 1222 Brookwood Road Dept. 10A,  
Madison, WI 53711-3118, (800) 448-4564

### Amiga Multi-User Software

Allows the Amiga to serve multiple terminals with more than one window per terminal. Runs text-only CLI programs from the terminals. Multi-user database software available. \$120.00  
Conceptual Computing, 603 Castlefield Ave.,  
Toronto, Ontario, Canada M5N 1L9, (416) 781-7742

### Ami...Alignment System

This program allows user to evaluate 3.5-inch disk drive alignment, speed, read-write performance, and other characteristics. All too frequently, users encounter error messages related to the disk drive. This program provides a means of diagnosing and correcting the problem. \$49.95  
Free Spirit Software, Inc., P.O. Box 128, 58 Noble  
St., Kutztown, PA 19530, (215) 683-5609

### AutoKick

Modify A1000 Kickstart disks to use any floppy to boot from. Software autoconfig contiguous blocks of fastmem, increase available chip RAM. Install a font of your choice in place of Topaz-8 font supplied with Kickstart. Install code to prevent the spread of any boot-block virus. Speed up floppy operation. Full intuition interface; all operations selectable from gadgets. Runs from CLI or Workbench. Requires A1000, 512k, AmigaDOS 1.2 or 1.3. \$39.95  
DigiSoft, 12 Dinmore Street, Moorooka, Brisbane,  
Queensland, Australia 4105, (011) 617-277-3255

### B.A.D.

B.A.D. is a disk optimizer. Disk optimizing is a process in which a disk is reconstructed and organized in a manner such that the disk performs much more smoothly and quickly. The results of processing a disk are quite noticeable, as it is difficult to keep disks well organized. B.A.D. does not change

anything on the disk, except the location of data. B.A.D. works with floppies and hard drives, and also supports multiple partitions. \$49.95  
Centaur Software, Inc., P.O. Box 4400, Redondo  
Beach, CA 90278, (213) 542-2226

### CLI-Fonts

Provides alternate font styles and sizes for CLI and Workbench displays to replace the built-in Topaz font. Various fonts are provided with sizes from 60 to 106 characters per line. Will accept fonts built using the standard Amiga font editor, Fed. Transparent operation means compatibility with most software including text editors. Amiga 500, 1000, 2000. AmigaDOS 1.2, 1.3. Free updates. \$34.95  
Eraware, 2022 Onyx Street, Eugene, OR 97403, (503)  
344-7684

### D.U.D.E.

DOS Utility / DOS Enhancer combines the power of CLI with the simplicity of Workbench. Up to twelve directory windows are visible at once so you can manipulate your files conveniently. Designed to use a minimum amount of precious RAM to maximize multitasking efficiency. Every aspect of the program can be customized to your needs and preferences. Includes a hard disk backup function. \$19.95  
Centaur Software, Inc., P.O. Box 4400, Redondo  
Beach, CA 90278, (213) 542-2226

### DJHelper

DJHelper is a Preferences-like interface providing detailed control over all features of HP DeskJet printers. Four screens allow full specification of page parameters; selection of any typeface, character set, pitch or point; conversion and downloading of soft fonts; grayscale redefinition; free positioning of graphics; editing and downloading of Amiga and HP printer commands; complete control over the AmigaDOS command set; and more. Requires AmigaDOS 1.3 or later, for any Amiga, and any HP DeskJet. \$50.00  
Creative Focus, P.O. Box 580, Chenango Bridge, NY  
13745-0580, (607) 648-4082

### DLG Professional v 1.0

DLG Professional is a unique telecommunications product aimed at the high-end hobbyist and professional bulletin-board market. DLG is not a single large application program, but is instead a group of interrelated modules and commands that form the nucleus of a bulletin board operating system that is built around a standard Amiga shell. This gives DLG the same advantages that AmigaDOS has low memory overhead, and full multi-user multitasking of all functions and operations. NTSC/PAL compatible, language configurable, international character set configurable, and AmigaDOS 2.0 compatible. \$199.00  
TelePro Technologies, 20-1524 Rayner Ave.,  
Saskatoon, Sask., Canada S7N 1Y1, (306) 665-3811

### DisKwik 2.0

A complete disk editor and repair kit for the Amiga. Features include Edit in Hex or ASCII, search, restore deleted files, repair errors, check-sum boot blocks, kickstart disks, and plus a lot more. Documentation describes disk origination and other aspects of AmigaDOS. Scans for errors. \$49.95  
Tigress, P.O. Box 665, Glendora, CA 91740, (818)  
334-0709

### Diskmaster II

All the power of the bestselling original file/disk management utility, plus much more. DM2 offers resizable, movable, multiple file and command windows. Add or remove buttons and pull-down menus for a customized, optimized DM2, and save all settings for automatic use. Auto commands to automatically de-arc, display or read files. AmigaDOS 1.3 and 2.0, and ARexx compatible. \$39.95  
Progressive Peripherals & Software, 464 Kalamath  
St., Denver, CO 80204, (303) 825-4144  
Please see display ad page B.

### Doctor Ami...

Doctor Ami... is a memory and hard-drive diagnostic program that performs sophisticated, low-level tests on your system with an elegant interface, and simple controls and displays. Memory and drive errors are displayed, and mapped out of the system. \$49.95  
Free Spirit Software, Inc., P.O. Box 128, 58 Noble  
St., Kutztown, PA 19530, (215) 683-5609

### Dunlap Utilities

A collection of over 40 interactive utility programs. Verify hard-drive errors, retrieve deleted files, and program your keyboard with macros. By-pass the Workbench or CLI with a better optimized, user definable Amiga user interface. \$49.95  
Progressive Peripherals & Software, 464 Kalamath  
St., Denver, CO 80204, (303) 825-4144  
Please see display ad page B.

### Encore

Keyboard movement automation studio. Lets you build macros by capturing mouse movements and keystrokes. \$79.95  
Elipsys, 1997 Mayflower Drive, Woodbridge, VA  
22192, (703) 490-8157

### Enhanced Sharp JX-730 Printer Driver with palettes, Version 2.0

The Amiga printer driver is for use with the Sharp JX-730 Color Ink-Jet Printer. The printed output can be varied from light to dark using the density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (i.e., blue on screen prints as blue on paper, not as purple). Four Workbench 1.3- and 2.0-compatible drivers are included on disk with palettes and sample pictures. Price includes shipping and handling. \$45.00  
GlassCanvas Productions, Inc., P.O. Box 6171,  
Boston, MA 02114, (617) 367-3229

### Enhanced Tektronix ColorQuick Printer Driver with palettes or pictures, Version 1.01

The Amiga printer driver is for use with the Tektronix ColorQuick Color Ink-jet Printer. The printed output can be varied from light to dark using density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (blue on screen prints as blue on paper, not purple). Four Workbench 1.2 and 2.0 compatible drivers are included on the disk with palettes and sample pictures. Price includes shipping and handling. \$59.95  
GlassCanvas Productions, Inc., P.O. Box 6171,  
Boston, MA 02114, (617) 367-3229

### Enhanced Xerox 4020 Printer Driver with palettes or pictures, Version 2.01

The Amiga printer driver is for use with the Xerox 4020 Color Ink-jet Printer. The printed output can be varied from light to dark using density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (blue on screen prints as blue on paper, not purple). Three Workbench 1.2 and 2.0 compatible drivers are included on the disk with palettes and sample pictures. Price includes shipping and handling. \$35.00  
GlassCanvas Productions, Inc., P.O. Box 6171,  
Boston, MA 02114, (617) 367-3229

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## FastFonts

Set of utility programs designed to speed up text display. \$29.95  
*Microsmiths, Inc., P.O. Box 561, Cambridge, MA 02140, (617) 864-8595*

## HackPak1

Collection of virus utilities, system monitors, disk editors, and file compression utilities gathered from a variety of public domain sources and collected for those interested in Amiga system internal operations. \$10.00  
*MegameM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*  
**Please see display ad page 17.**

## Hermes IconLab 1.3

Make your own icons. All icon/brush options (icon to brush, brush to icon, etc.) available. Shows/draws/paints icons in two to 16 colors. Shows and loads all disk font. Reduces IFF pictures to icon sizes. \$34.95  
*Elkon Enterprises, 4654 Mistletree, Wichita Falls, TX 76308, (817) 691-0964*

## Hyper Helpers

This package is a trio of ground-breaking, powerful programs that can make life easier for all Amigans. DosHelp is a hyper-text based online help system for AmigaDOS (supports versions 1.3 and 2.0). LaunchPad is a user-configurable menu on Workbench: plug in the names of your favorite software applications, then select one from the menu and LP runs it, parameters and all. Run-N-Play is the do-it-all file requester. It plays sounds, shows pics, displays text files, launches executables, and more, all from one place. \$59.95  
*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991*

## ImageFinder

ImageFinder is a great utility for finding graphic files by looking at miniatures (called thumbnails) of the images in full color or in gray scale. Disk volumes and/or directories are scanned for ILBM or ANIM files to create an index file. Thumbnails stored in index files can be browsed directly or after being sorted. The drawer and filename of a selected image can be automatically entered in the file requester of an application. 512K required. \$65.00  
*Zardoz Software, 12036 Nevada City Highway, Ste. 192, Grass Valley, CA 95945, (916) 274-8311*

## KickWork 2.0

Single-disk boot for the Amiga 1000. KickWork combines KickStart and Workbench on one disk, providing Amiga 1000 users with a single-disk boot system. A one-disk software system for unattended applications. Warm boot with any other Workbench. Reboots automatically, does not have to be re-armed. Requires A1000 with at least 1MB of RAM. \$29.95  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*

**Please see display ad page 118.**

## Mach III

A keyboard and mouse enhancer that does much more than any other utility. Hotkeys play back keystrokes, mouse movements, and many special functions. Also includes a mouse accelerator, screen blanker, title bar clock, and much more. \$15.00  
*Polyglot Software, 884 W. Melrose Lane, Boise, ID 83706, (208) 336-4583*

## Multi-Prefs

This multiple preferences management tool lets you create, restore, edit, rename, sort, delete, or undelete all the preference settings you like. You can advance your printer paper to the top of the next page or toggle your Workbench screen between interlaced and non-interlaced mode instantly. \$29.95  
*Soft-Link, Inc., P.O. Box 304, Coventry, RI 02816, (401) 828-9304*

## SA Utilities V34.807

This software and firmware enhancement allows better support of accelerator boards (68020), high capacity read/write magnetic disks (e.g. RICOH RO5030), and a new image backup to any AmigaDOS device. ARK allows you to make an image of your hard drive to floppy, another hard drive, even a Bernoulli drive (20M or 40M). \$39.95 Canadian.  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

## STU-Amiga System Diagnostic

STU is a complete diagnostic utility for memory and disk drives. It is hard-drive installable; it multitasks and is not copy protected. It will test up to seven devices/partitions at a time along with memory tests for both chip and east memory. Runs on all models, compatible with 1.2, 1.3, and 2.0 DOS. \$29.95  
*Custom Services, P.O. Box 254, Moorestown, NJ 08055, (609) 654-7659*

## Spells-It-Right

An interactive spelling checker with 50,000+ and 90,000+ word, fast, memory resident, compressed, and main dictionaries. No copy protection for easy installation to hard disks. Automatically backs up original files. User dictionaries for storage of unique jargon, names, and acronyms. Guessing for misspelled words. Executable from Workbench or the command shell. Reads and writes ASCII files for compatibility to editors and most word processors. Money-back guarantee. Requires minimum of 512K, AmigaDOS V1.2 or later. \$9.95  
*Advanced Software Engineering, P.O. Box 441, Sudbury, MA 01776, (617) 963-8394*

## Stuff-It

Create your own pull-down menus, each capable of sending a user-defined series of keystrokes to other programs just as if you typed them from the keyboard. Several menus have been created for you including one for the CLI and one for the Amiga editor-ED. \$39.95  
*Soft-Link, Inc., P.O. Box 304, Coventry, RI 02816, (401) 828-9304*

## Super-DJ V2.0

Super-DJ V2.0 is a greatly improved Amiga printer driver for HP Deskjets. It provides an enhanced implementation of printer control codes, the ability to change fonts at will, faster bitmap printing (especially with the PLUS and 500), independence of cartridge selections from Preferences, the suppression of unnecessary page feeds, and the elimination of muddy graphics. Requires AmigaDOS 1.3 or later, for any Amiga, and any HP Deskjet. \$25.00  
*Creative Focus, P.O. Box 580, Chenango Bridge, NY 13745-0580, (607) 648-4082*

## The Disk Mechanic

A collection of utilities for AmigaDOS versions 1.2, 1.3, and 2.0. The package includes tune up, a disk optimizer, which can speed up disk performance by 400%. Also included is a disk repair program, a full-featured disk sector editor, a hard disk back-up utility, and a dozen CLI based utilities. The disk mechanic supports all Amiga floppy and hard drives and the fast-filing system. Requires 512K RAM. \$89.95  
*Lake Forest Logic, Inc., 28101 Ballard Road, Unit E, Lake Forest, IL 60045, (708) 816-6666*

## WShell

Replacement command shell that offers command aliases, resident commands, and piping. CLI compatible, and supports ARexx. \$49.95  
*William S. Hawes, P.O. Box 308, Maynard, MA 01754*

## BACKING UP COPYING

### AMI-BACK

AMI-BACK is a state-of-the-art hard disk backup utility. AMI-BACK will back-up and restore your hard drive quickly and conveniently. It will run on any Amiga PC running AmigaDOS 1.3 or 2.0. NTSC/PAL compatible. \$79.95  
*Moonlighter Software, 3208-C East Colonial Drive, Ste. 204, Orlando, FL 32803, (407) 628-3005*

### Copyright

Copyright will copy any program available on the Amiga and not one copier program can compare or match up to Copyright's capabilities. Copyright operates without the need of parameters. It analyzes the disk and makes a perfect copy. User friendly interface tells you everything you need to know when copying to a media disk. Features include a special disk which cleans the head of your drives; 'Checks Media' disk to analyze the surface disk for errors and compatibility; 'Formats disk,'

which formats a disk in about 34 seconds, Index Copy, which copies protected disks with Index Synchronization; and much more. \$49.95  
*InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266*

### DEEP SCAN BURST NIBBLER

Copy an entire disk in order under 60 seconds. Works with one to four drives. Copy up to 81 tracks. Easy to use icon-driven program. Full verify option. \$34.95  
*Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110*

### EZ-Backup

Save up to 255 versions of each file. Eliminates the need to do full backups each time the incremental back-up disks begin to pile up. Features optional warning screen, volume label-checking, standard format, and individual file recovery. Multitasking. And provides archive-bit utilities. Not copy-protected. Free upgrades and telephone support. \$49.95  
*EZSoft, 21125 Chatsworth St., Chatsworth, CA 91311, (818) 341-8681*

### EnCopy

A diskcopy utility for making backups of Ensoniq keyboard disks using the Amiga computer. The EnCopy package will backup SQ-80™, EPS™, and VFXsd™, and SD-1™ 3.5-inch floppies. Requires WB 2.0 \$39.00  
*Bigfoot Software, 912 Karl Street, Green Bay, WI 54301-2225, (414) 435-4500*

### Express Copy 1.5

A hard disk backup utility which can copy directories and files to floppy disk at up to 1MB/min. Backup disks are standard DOS disks that can be used normally from both Workbench and CLI. Can fill a floppy disk with files from your hard disk in 45 seconds. Designed for effective multitasking. Backup parameters can be saved in configuration files. Fully documented with a 65-page manual which includes a 25-page section with help and ideas on how you can better organize and manage your hard disk drive. New for Version 1.5 is support for the AE high-density floppy drive, extensive ARexx support, and a CanDo application to take advantage of the new ARexx features. \$49.95  
*Express-Way Software, Inc., P.O. Box 10290, Columbia, MO 65205-4005, (314) 474-2984*

### Fat Tracks

An upgradeable nibbler. This backup utility will allow you to make archival backups of many of your protected software that uses non-standard DOS. Fat Tracks was designed to complement RawCopy V1.3. \$59.95  
*Micro Systems International, 1143 Monroe Street, Carleton, MI 48117, (313) 654-8402*

### FlashBack

Back up any hard drive to any AmigaDOS Service. Supports file-by-file and Image backups. Backs up non-AmigaDOS partitions such as A-MAX II or UNIX. Allows unattended, automatic backups. Back up to service or file on device for space conservation. Graphic, easy-to-use interface. Powerful pattern matching. Supports streaming tape backups. \$79.00  
*Advanced Storage Systems, (div. of Preferred Tech., Inc.), 14540 E. Beltwood Pkwy, Dallas, TX 75244, (214) 702-9191*

### MRBackup Professional

Software only. Utilities backup capability to other drives, four floppies on your existing SCSI streaming tape. Has full ARexx implementation, 12- and 16-bit compression, AmigaDOS or fast disk formats. Also has built in utilities section for file manipulation. \$54.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

### Project D

Integrated disk utility system. Includes The Backup Tool, disk copier. Copies most protected disks with parameters updated regularly. The Omni Tool, a special format copier, duplicates MS-DOS/PC-DOS, Atari-ST, CP/M, and Xenix formatted disks. The Editor Tool, powerful disk-editing utility, allows you to edit Amiga disks from AmigaDOS to MFM Catalog Tool; disk indexing utility helps keep track of personal, commercial, and public domain disks. \$49.95  
*Fuller Computer Systems, P.O. Box 9222, Mesa, AZ 85214, (602) 497-6070*



## Quarterback 4.3

Hard disk-to-floppy backup runs under Workbench or CLI. Backs up to or restores from floppy disks, The Syquest, Applied Engineering high density floppy drive, or any AmigaDOS compatible device. Uses two floppy drives (if available) for back-up/restore with automatic switching. Automatically formats diskettes, builds catalog of files, produces backup/restore report to disk or printer, and much more. Quarterback can restore to any Amiga device, including RAM. £55.00 including VAT. \$69.95  
*Central Coast Software, Div of New Horizons Software, 206 Wild Basin Rd., Ste. 109, Austin, TX 78746, (512) 328-6650*  
**Please see display ad page D.**

## RaWCopy V1.3

Ultra-powerful backup tool for your Amiga. Protects many of your favorite programs. Supports up to four 3.5-inch disks drives. Mouse-driven user interface. The only backup utility with over 300 parameters. \$59.95  
*Micro Systems International, 1143 Monroe Street, Carleton, MI 48117, (313) 654-8402*

## SuperBack

Protect data stored on a hard disk, RAM disk, or network device. Select or copy any or all files or directories onto floppy disks. Data may be restored selectively by file, directory, or device. All features accessible from key commands or mouse. Clear screens and menus; concise manual, and in-depth tutorial with step-by-step back-up instructions. \$79.95

*Disc Company, The, 11040 Santa Monica Blvd, Ste. 300, Los Angeles, CA 90025, (213) 478-6767*

## The Reaper

With standard ASCII text parameter files, the Reaper can find shifted sector headers, find transposed sector header fields, edit MFM/GCR raw track data, and edit decoded track data. It installs on a hard disk and is not disk protected. Execute custom programs from parameter files and assembly language. \$39.95  
*Conceptually Advanced Technologies, P.O. Box 3302, Santa Monica, CA 90403, (213) 452-1732*

## X-Copy Professional V3.3

Version 3.3 has many new features to include hard disk and file backup. All of the other features of the product have been updated as well. In addition, we are moving from a disk manual to a professionally printed user manual for the convenience of our users. \$69.95  
*Cachet Software, P.O. Box 65, Scotch Plains, NJ 07076-0065, (908) 322-2002*

## CRYPTOGRAPHY

### LuCypher 1

Fast file encryption/decryption package with convenient Workbench interface for general file security and telecommunications security. Employs simulation of rotor-type crypto machine with 16-character key for high speed and solid cryptographic security. Upgradable to LuCypher 2. \$49.95  
*MegaM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*  
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### LuCypher 2

Complete RSA public key cryptographic system based on prime number product keys up to 300 digits long. Fast and efficient implementation for Amiga (assembly language). Ideal as key management upgrade for LuCypher 1. Includes LuCypher 1. For sale in U.S. and Canada only. State-of-the-art telecommunication and file security. \$199.95  
*MegaM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*  
**Please see display ad page 17.**

### Magicide

Encryption system allows file protection in single or multiple levels. Contest challenges you to break the system. \$34.95  
*Magircle Software, 5628 Hampshire Lane, Ste. 203, Virginia Beach, VA 23462, (804) 671-9050*

## DOS CONVERSION

### 64 Emulator 2

Optional interface cable lets you use any Commodore 64 disk drive or printer. \$59.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

### Ambassador

Improves file transfer capability for both the bridgeboard and the Amiga in a transparent fashion. It is based on the product CrossDOS (MS-DOS file system), and is 100% software. No additional hardware to buy or install. The Ambassador provides enhanced bridgeboard features: Directly access the Amiga-connected floppy drives as MS-DOS drives from within most MS-DOS programs. Receive up to 100 times speed increase when using our version of the PC virtual hard drive partitions. It provides enhanced Amiga features: Access MS-DOS formatted media on Amiga drives. Access bridgeboard-created virtual hard drive partitions (such as MakeAB and JLink files). CrossDOS owner upgrades are available. Available December 1991. Requires A2088 or A2286 bridgeboard or sidecar. AmigaDOS 1.3 or 2.0. NTSC/PAL, international and Danish/Norwegian translation tables (for text) supported. \$79.95  
*Consultron, 11280 Parkview, Plymouth, MI 48170, (313) 459-7271*  
**Please see display ad page 130.**

### CrossDOS Version 5

MS-DOS file system. The program allows the user to transparently access MS-DOS or Atari ST formatted disks from any application or utility including file requesters. CrossDOS fully integrates itself into the Amiga operating system. It will perform virtually all DOS functions on standard Amiga hardware. It uses standard Amiga-connected 3.5-inch and 5.25-inch floppy drives to read and write 180K, 360K, and 720K MS-DOS/Atari ST disks. It will also access 1.44MB floppies with special drive hardware and will also access most MS-DOS formatted hard drives. CrossDOS includes utilities to format diskcopy, and check the integrity of MS-DOS disks. AmigaDOS version 2.0 compatible. \$39.95

*Consultron, 11280 Parkview, Plymouth, MI 48170, (313) 459-7271*

**Please see display ad page 130.**

### DOS-2-DOS 3.5

Transfers files between MS-DOS or Atari ST and the Amiga. Reads/writes and formats 5.25 and 3.5 MS-DOS disks and Atari ST 3.5 diskettes. Converts ASCII file line ending characters and provides Wordstar compatibility. Query/replace options provide duplicate file name detection. Supports full directory path names, with wild cards in the file names, allows selection of MS-DOS and AmigaDOS subdirectory, and displays sorted directory listing. \$55.00

*Central Coast Software, Div of New Horizons Software, 206 Wild Basin Rd., Ste. 109, Austin, TX 78746, (512) 328-6650*

**Please see display ad page D.**

### MAC-2-DOS 1.1

Lets you read and write Macintosh diskettes on your Amiga, to and from 400K and 800K, using a standard Mac-compatible 3.5 external disk drive connected to your Amiga via the CCS interface. Converts MacPaint files to and from IFF and Mac ASCII files to and from Amiga ASCII and other conversion options are PostScript, macbinary and standard binary. As it transfers files, MAC-2-DOS automatically transfers and converts icons for the files, or creates icons. Available in two distinct configurations: Package A includes a custom hardware interface, file transfer, and file conversion software. In addition to what comes with package A, Package B also includes a Mac-compatible 3.5 disk drive, and driver software to enable it to be used as a standard Amiga storage device. A, \$99.95; B, \$297.46 £79.95 including VAT. \$99.95  
*Central Coast Software, Div of New Horizons Software, 206 Wild Basin Rd., Ste. 109, Austin, TX 78746, (512) 328-6650*  
**Please see display ad page D.**

## FILE MANAGEMENT

### DFL-Demand File Loader

With Demand File Loader, no need to pre-load the RAM disk. Only copies files into the RAM disk when the need arises. Senses the need by using the search path or is solicited directly. Transparent to AmigaDOS in that files in the RAM disk may be accessed through it. Useable by CLI and application programs that can be told where to access files. \$50.00

*Marketron Microcomputer Systems, 125 N. Allen Ave Ste. 324, Pasadena, CA 91106, (818) 584-0873*

### Directory Opus

A full-featured, multi-functional directory utility. Opus provides all the standard dir util features such as two directory windows for file copying and deleting, renaming and so forth. Features include IFF pics, brushes, and ANIMS that can be viewed, sound files played, text files read, and executables launched, all simply by double clicking on the filename in the directory window. Opus is exhaustively configurable, with over 100 user-definable buttons and menus. Includes online help for all features (as well as for AmigaDOS error codes). It provides memory and CPU usage meters and an AREXX port, is iconifiable, and much more. Requires AmigaDOS 1.2 or higher. 1MB required. \$59.95

*INOVAtronic, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991*

### Disk-Master

File management software. Allows you to view and manipulate up to 80 files and directories at once. \$49.95

*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144*

**Please see display ad page B.**

### QUARTERBACK TOOLS 1.5

QUARTERBACK TOOLS maximizes the speed and reliability of your Amiga hard disks and floppy disks by repositioning your files to optimum locations on the disk, eliminating file fragmentation, and consolidating disk free space, achieving the fastest possible disk performance. QUARTERBACK TOOLS recovers deleted files easily and safely and unformats disks you formatted by mistake. It searches the entire disk for errors, marks bad areas 'out of service', and identifies affected files. £70.00 including VAT. \$89.95

*Central Coast Software, Div of New Horizons Software, 206 Wild Basin Rd., Ste. 109, Austin, TX 78746, (512) 328-6650*

**Please see display ad page D.**

### Workbench Management System V2.0

Allows user to set up and program an unlimited number of programmable buttons which can be assigned to any file. Buttons can be user setup vertically, horizontally, or even full screen. Also has built-in text editor, Rolodex, calendar, archiver, and more. \$49.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## VIRUS PROTECTION

### Anti-Virus

Anti-Virus is a virus protection software package with a unique feature that should stop the proliferation of any Amiga computer virus—a visual anti-virus bootblock. The visual bootblock displays the Anti-Virus logo on the screen every time an Amiga is turned on or warm booted. If a virus is present when the computer is started, the logo will not appear. Comes with a utility, vCheck, that monitors virus transmission paths. The utility is placed in the Amiga startup-sequence and monitors each disk placed in the user's Amiga. Also comes with vTrojan, the only Trojan horse protection utility available, and ships with a bootblock cataloging program. \$19.95  
*DevWare, Inc., 12528 Kirkham Court, Ste. 11, Poway, CA 92064, (619) 679-2825*

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# Entertainment

## ♦ ♦ ♦ ENTERTAINMENT ♦ ♦ ♦ GENERAL

### 3 In 1 Football

Statistical simulation of College and Pro football. Includes over 300 College, Pro, and great past teams. \$39.99  
*Data Innovations Inc., 127 N. Front St., Rising Sun, IN 47040, (812) 438-3733*

### 3-D Pool

3-D Pool is different from other billiards simulations. One difference is that no cue stick is shown on screen. Instead of lining the stick up to the ball and shooting, with perhaps one or two angles from which to examine the shoot, 3-D Pool does away with the cue stick and allows the player to rotate the table, providing unlimited angles of view for any shot. The cue ball is always in the center of the screen, and shots are made by lining up the object ball(s) with the cue ball. Players have complete control over the position of the cue, the amount and type of English on the cue ball, and the power behind each shot. 3-D Pool follows Monte Carlo, or European rules, instead of standard American regulations. Players in 3-D Pool can participate in practice games, two-player matches where they can take on a friend, or even in a tournament against computer players of varying skill levels. 3-D Pool also includes a demo game, and a special trick shot feature, where players can try to solve 20 of the most difficult and popular trick shots in billiards. \$34.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

### 4 in one!

Easy but fun. Four new and different games all on one disk. Play Slotcars, a fast action game for one or two players. Or entangle your opponent in a maze of wires in CircuitMania, for one or two players. Then try your hand at ShufflePuzzle, similar to sliding number puzzles but using beautiful color pictures. Finally, Follow That Tune by watching the bouncing boy jump from pedestal to pedestal playing a tune. \$14.95

*Polyglot Software, 884 W. Melrose Lane, Boise, ID 83706, (208) 336-4583*

### 48 Great Golf Courses of the World

For use with World Class Leader Board™. Play along with the Pros as they travel the PGA Tour. Contact SaxMan Systems for price.  
*SaxMan Systems, 400 Walnut #403, Redwood City, CA 94063, (415) 368-6499*

### 4th & Inches

Joystick-controlled football simulation with spotter's P.O.V. from the press box. Players' energy levels decrease according to plays. You choose the starters. Each player has his own individual playing characteristics. \$19.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

### 4th & Inches Team Construction Disk

Used with 4th & Inches, assemble your own teams for play. Assign all the stats, sizes, and playing characteristics of each of your 4th & Inches players. \$9.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

### 500cc Racebike Simulation

Rev up and roar off with this screaming simulation of 500cc road racing machines. This simulation offers full 3-D graphics with separated split screen perspective, sprite trajectory calculation, and speeds in excess of 200mph. This is the real thing; you will be on the track, you will have to race your opponents, and you better be good! Test the nerves of another player, or challenge the six computer-controlled bikes across a choice of 12 genuine Grand

Prix racetracks. Choose your bike and tune it up to perfection by modifying transmission, suspension, and tires. Available September 1991. \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

### 688 Attack Sub

Players experience the actual dilemmas faced by modern submarine commanders. In peacetime, players hunt and dodge foreign subs while trying to avoid ambiguous gestures that could lead to a shooting match with an opponent. You walk the razor's edge between practicing for war and actually starting one! As cold war turns into full war, missions become increasingly dangerous. Players stalk ballistic missile submarines, attack enemy convoys, and duel other hunter-killers to the death. \$49.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

### ABC's Monday Night Football

Experience the gut-wrenching action of the gridiron. Hear the plays called by Frank Gifford. You're the quarterback—setting the formations and calling the plays. You can play offense and defense, plus a complete kicking game, including field goals, punts, kickoffs, and extra points. \$49.95

*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

### Abys

An unusual arcade/strategy game with colorful, scrolling graphics, and amusing sound effects. Score points by guiding the 'hustle-sweeties' into the abyss and locating the life-giving liquids. Work through mazes, avoid traps, and hostile attacks. Requires 1MB of memory. \$39.95

*Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609*

### Action Fighter

You are Super Rider, assigned to carry out five dangerous air and ground battles in this Sega arcade game. You're riding a motorcycle, but if you find the right parts along the road it transforms into a supercharged sports car or state-of-the-art airplane. \$39.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

### ♦ Action Stations

An extensive and detailed look at the surface officer's art of war at sea from 1922-1945. The program offers 30 ready scenarios, a scenario builder, and 180 plus ship/unit classes. Ship detail includes 42 hit zones and 14 armor locations. As many as 49 ships in one scenario. \$49.95

*R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399*

### Adventures Through Time, Vol. I:

#### The Scavenger Hunt

Scavenger Hunt is an animated text adventure game, in which you become Buck Walker, the son of a 21st Century time traveler. Journey into the past in search of five historical artifacts to become the winner of the first scavenger hunt throughout time. Features include overscan graphics, multitasking, mouse/keyboard shortcuts, an advanced text parser, and smooth animation. \$49.95  
*Aurum Software, P.O. Box 5392, Ventura, CA 93005, (805) 659-3570*

### ♦ Adventures of Willy Beamish

From designer Jeff Tunnell comes an original adventure comedy which may well become the benchmark of computer animation. Adventures of Willy Beamish boasts hilarious insight and light-hearted 3-D animation with a sensational music card compatible soundtrack. Adults and kids will love Willy's zany antics, his peculiar family, and the host of geeks, freaks, animals and creeps. \$59.95  
*Dynamix, division of Sierra On-Line, 99 W. 10th, Ste. 337, Eugene, OR 97401, (503) 343-0772*

### ● Aegis Capitalism

Time for The Donald to step aside; there's a new kid on the multi-million dollar block—you! This is an exciting empire-building game, where you compete against up to five other players in creating the ultimate corporation. More than three years of research went into the business end of this incredible game. Even play via the modem, or a null-modem local connection. Choose to run your corporation in the U.S.A., Mexico, or Europe! Combines more than 20 arcade-style sequences with intense strategy! Workbench 2.0-compatible. Price TBA.  
*Cxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

### After Burner by Sega

Pilot an F-14 Tom Cat through a variety of exciting rescue missions in the home-computer version of Sega's arcade smash hit. Feel the power and the rush of being airborne as you control air speed, flight direction, and weapon selection. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

### ♦ Agony

From the programmers of Unreal comes a new adventure full of magic, mystery, and mayhem. As Leffly, heir to the secret of universal energy, you will fight your way through six agonizing levels of magical mayhem. Confront your chilling challenges in human form, take flight as an arcane owl, or battle your enemies in the form of a gruesome ghost. \$49.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

### Airball

The Evil Wizard has turned you into an Airball—with a slow airleak. You must search over 300 rooms to find the spellbook, which contains the ingredients needed to turn you back into a human. Hurry, before you run out of air. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

### ♦ Airwave Adventure:

#### Murder Makes Strange Deadfellows

Dark clouds gather like mourners at the ancestral home of Randolph Steere, patriarch of the Steere family. As the mighty fall, so falls Randolph, right down the staircase within his mansion. But, he really left the world five years ago when he lost his wife Irene. Strange stories have grown up around this ominous place since Randolph secluded himself here and no one can say what will happen now! Try to discover Randolph's last wishes and find out if ghosts really walk in Steer manor in this comedic thriller. Available for CD-ROM, NTSC/PAL. See CDTV section. \$49.95

*Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040, (213) 721-8282*

### Airwave Adventure:

#### The Case of the Cautious Condor

Tiger Media's breakthrough interactive mystery is now available for the Amiga! Explore hundreds of images, hours of audio, and thousands of possibilities. Can you discover the solution? Join Ned Peters, detective, and a colorful cast of suspects on board the 1937 maiden voyage of the Condor. You have 30 minutes to solve the crime on this thrilling flight into history and murder. Available in PAL/NTSC. See CDTV section also. \$49.95  
*Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040, (213) 721-8282*

### Alien Drug Lords

In this role-playing game, your mission, as a special agent from the Celestial Investigation Agency, is to discover the secrets of the Intergalactic Benevolent Corporation. A deadly drug, Xylopsiline, has pervaded the atmospheres of several enclosed cities. The only antidote is produced by the IBC. How do they make it, and why are so many city atmospheres suddenly poisoned? Your mission is to

penetrate the security of the planet that the IBC has in its grip, obtain the antidote, and destroy any stocks of the drug. \$60.00  
**Panther Games, P.O. Box 5662, Derwood, MD 20855, (301) 977-3379**

## Alien Syndrome by Sega

Aliens have taken over an out-colony and are holding your friends hostage. In this Sega arcade game, you'd better move fast because soon, a time bomb will get all of you. \$39.95  
**MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000**

## Altered Beasts

Summoned by Zeus, God of Thunder, you have been awakened from the dead to challenge the wicked Neff, God of the Underworld, for the fate of Athena. You are the Altered Beast bestowed with five formidable forces of transformation — each more ferocious, more overwhelming than the last. In this worldwide arcade hit you destroy Grave Masters, Chicken Stringers, Cave Needles, and other treacherous foes. \$39.95  
**Sega, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525**

## Altered Destiny

P.J. Barrett's intentions to spend the evening watching a film festival on television with his steady girlfriend are drastically changed. The moment he settles down with his popcorn in front of his television set, he is literally sucked through the screen, popcorn included, into a fantastical alternate world unlike any he could have ever imagined. In this other world P.J. meets JonQuah, who sends him on a mission to find Helmar, JonQuah's twin brother. Helmar has been corrupted by a jewel whose powers are destructive and are slowly destroying their universe. P.J. must search this strange world to find Helmar, ultimately separating him from the jewel and returning it to its rightful place. If P.J. fails, this world will not only cease to exist, but he will be unable to return to his own. \$59.95  
**Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700**

## Amazing Spider-Man

Mysterio, the master criminal and illusionist, has kidnapped Peter Parker's wife, Mary Jane. To rescue her, Peter Parker calls on his alter ego, the Amazing Spider Man. As the famous web-slinger, you'll invade Mysterio's lair to battle the super-villain's robotic guards, tricks, and traps. \$39.95  
**MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151**

## Amezas

Amezas is a fast-paced game written to take full advantage of the Amiga's amazing speed, graphics and sound! Bounce, shoot, slam, and juggle your way through 40 challenging screens. Every screen has its own surprises and it will take quick reflexes to deal with all the action, sounds, and sights! \$14.95  
**DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733**

## Amnios

Amnios is a Symbiotic Construct of Machine-Mind and Biology. Each element is a disparate cell in an organism sharing one consciousness and purpose: to eradicate the malignancy that threatens all of Life. Controlling a tiny ship, you fight your way through each of ten deadly living worlds trying to either destroy the planet's vital organs or rescue a given number of encapsulated humanoids. \$44.99  
**Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553**

## Anarchy

Whether you liked or loathed Defender, you'll love Anarchy. The speed at which the screen rolls is dazzling and the number of aliens, bullets, and other miscellaneous objects that are animated simultaneously is absolutely remarkable. Anarchy features full-screen, horizontal, four-level parallax scrolling, arcade running speed (50 frames/sec), up to 80 aliens attacking simultaneously, full-screen animation sequences of over 450 screens, four-channel sampled soundtrack and saveable top 50 Hi-Score table. \$39.99  
**Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553**

## Apprentice

Jump 'n Run Adventure! Lots of levels, including hidden levels and rooms, which can only be entered after solving different puzzles. \$29.95  
**InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266**

## Aquaventura

Multi-level arcade game that moves solid objects on a fully featured smooth scrolling 3-D playfield at phenomenal speed. A product that stretches 16-bit technology to its limits in graphics, sound, gameplay, and cubic destruction. Includes original design T-shirt by Roger Dean. \$49.95  
**Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553**

## Arachnophobia

Disney has combined arcade action and strategy games in one exciting outing with Arachnophobia. Playing off people's fear and dread of spiders, you can wipe out a hoard of highly venomous South American spiders using flamethrowers, bug-bombs, and insecticide. If you are able to outwit these dangerous fiends, you'll earn a top secret assignment in South America where you will face the ultimate eight-legged challenge. Arachnophobia takes you through thousands of locations in your search for these eight-legged demons. Eight levels of increasing difficulty and 12 different varieties of spiders will challenge even the best game players. \$49.95  
**Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360**

## Arcade Action Pack

The Arcade Action Pack is a five-disk compilation of 16 of the best public domain and shareware arcade games for the Amiga. This select set contains Air Ace 2, Amoeba Invaders, Bally V, Crackout, Defender, Downhill Challenge, Drip, Fortress, HeadGames, HueyRaid, MegaBall 2.0, MiniBlast, Missile Command, Nebula, MoonBase, and Trek. Available direct and through computer retailers. Requires one floppy drive. 1.3 and 2.0 compatible. Runs on any Amiga. Other sets available. Call for details. \$14.95  
**Digital Expressions, P.O. Box 33656, Cleveland, OH 44133, (216) 582-0910**

## Archipelagos by Fanfare

Archipelagos is an action-strategy game where the player's goals are to destroy radioactive nodes and obelisks in an effort to make the earth inhabitable for humans. But the quest is hindered by wandering necromancers, waste patches, and malfunctioning air sweepers. \$39.95  
**Britannica Software, 345 Fourth Street, San Francisco, CA 94107, (800) 572-2272**

## Armour-Geddon

Post Holocaust: A powerful crazed entity desires control of earth. They develop an energy beam and intend to bounce it off a custom built satellite back to earth. All unprotected life will be wiped out. You select and control up to six diverse hi-tech vehicles at once in a race against time to seek and destroy enemy power lines and eventually knock out their beam generator. Build up your arsenal by collecting enemy resources to help develop and create your own new weapon systems. Featuring smooth scrolling, 3-D heads up displays and head-to-head serial link enabling 'being there' realism between two players. \$49.99  
**Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553**

## Arthur: The Quest for Excalibur

In Arthur: The Quest for Excalibur, players get the chance to fulfill their destiny as they assume the role of the youthful Arthur on a quest for Excalibur, the legendary sword that will make him King of England. Arthur brings Arthurian legend to life with rich, evocative prose, mythic characters, and more than 100 captivating graphics evoking medieval England. As an eel, owl, salamander, turtle, or badger, players can go places and do things that would otherwise be impossible. How players use this power, and how they solve the myriad puzzles that confront them, will determine the success of their quest. \$29.95  
**Infocom, 4600 Bohannon Drive, Menlo Park, CA 94025, (415) 329-0800**

## Artura by Arcadia

Arcade adventure in days of old! As Artura, you must maneuver the mystical wheel of Cerridown to rescue Nimue, the beautiful keeper of the secret of the lost ancient treasures, from the stronghold of the evil half-sister, Morgause. Overcome ghouls, spiders, soldiers, and giant rats to find the mystic rune stones which will help your quest. \$39.99  
**Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710**

## Atomino

A brain-teasing game, featuring an orchestrated stereo soundtrack, and offering crisp graphics and intuitive gameplay. In this innovative hybrid between dominoes and an electronic brain-teaser, you play the role of a mad chemist. Your objective is to form molecules from the atoms which spontaneously generate in your test tube. However, the road to this deceptively simple goal is littered with increasingly difficult restrictions, including specifications on the finished molecule's size, the shape of your creations, and the omnipresent ticking of the clock. Over 60,000 levels. \$49.99  
**Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553**

## Aussie Joker Poker

### by Joker Software International

A computerized card game where the computer acts as dealer and croupier, while up to 90 players compete against one another. Purchasers who believe they are among the top 25 poker players are able to play in a special competition mode and may enter their scores for consideration in an Aussie Joker Poker Hall of Fame. \$14.95  
**MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000**

## Autoduel

Build the biggest, baddest, heaviest armed car you can to carry out an FBI mission. An adaptation of Car Wars, the package includes one disk, a road map, driver's handbook, and a tool kit. \$39.95  
**Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490**

## Aviators

From the team that brought you Battle Squadron and Hybris! The next stage in vertical Shoot-ups! With 128 colors on screen, four-way scrolling, two players, parallax scrolling. Available December '91. \$49.95  
**InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266**

## Awesome

From the creators of Beast and Beast II comes this awe-inspiring combination of shoot-em-up action and trading stratagems featuring innovative hyperspace stations, full screen aliens and a whole galaxy to explore. You need tons of fuel to escape from your exploding galaxy. The only way you can get it is through trading missions on behalf of the Federation. Fighting off waves of pirates, attacking police convoys and dancing with death to mine asteroids while facing colossal creatures and a horde of aliens before you get planetside. Make it to the surface, and you still have to get safely inside the station complex to get access to the time/warp navitron for navigation directives and to begin the trading necessary to acquire the supplies and resources that you need to continue. Awesome takes you beyond the final frontier. Roger Dean designed T-shirt included in each package. \$59.99  
**Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553**

## Awesome Arcade Action Pack

Three great arcade games: Sidewinder, Captain Zed, and Blasta Ball. In Sidewinder, you'll pilot a spaceship through 3-D scrolling screens to kill the alien Star Killer. Captain Zed leads you through 14 levels of attack from vicious Xenon aliens. Blasta Ball is 37th century ice hockey. \$49.99  
**Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710**

## B.A.T. (Bureau of Astral Troubleshooters)

A new case has to be solved by the B.A.T. agents. Vrangor, an evil genius, together with his accomplice Merigo, are threatening the people of Selenia. Unless they leave the planet, Vrangor will destroy them with bacterial warheads. You have been selected to destroy his plans by eliminating him and

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restoring peace to the Universe. Explore over 1100 different fascinating locations and meet characters from seven different species. Learn how to utilize B.O.B., the computer implanted in your arm; pilot the DRAG, a genuine flight simulator, across the arid desert; and enjoy the futuristic atmosphere provided by outstanding graphics and sound effects. Distributed by Electronic Arts. \$49.95  
*UBI Soft, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## BAAL

A mixture of strategy and arcade action featuring: eight-way scrolling through three distinctive domains, multi-level. More than 100 monsters and 400 traps. You are the leader of the Time Warriors. Can you save earth from the evil BAAL? His army of undead has stolen an awesome weapon of destruction, a War Machine. Can you succeed in fighting off his monstrous demonic beasts? The alternative is literally hell on Earth. \$29.95  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## ◆ BASICFootball

A football game that features classic music, speech synthesis, and amazing animation all done in AmigaBASIC. BASICFootball lets you select your offensive and defensive coordinators. Will you shut down the ground attack and be vulnerable by air? Or go for a balanced attack on both sides of the ball? It's up to you. Keep track of turnovers, special teams, running and passing statistics so you can make those crucial halftime adjustments. BASICFootball is two games in one: you can play against a friend in the two player version, or play against a computer programmed to attack any opponent with a relentless offensive and defensive strategy. \$19.99  
*Mahoney Software Products, P.O. Box 2962, Newport News, VA 23609-2962, (804) 591-7225*

## Back to the Future II

Combines five adventures—three arcade action arenas plus two logic puzzle levels—that challenge your intellect as well as your reflexes. In order to survive Biff and the boys, Marty needs to grab as many weapons and energy boosters as possible. Marty and Doc venture through famous scenes from the hit movie like the Hill Valley Hoverboard fiasco and the Enchantment Under The Sea dance. Travel through time, via your Delorean, to 1955, 1985 and 2015. Encounter all your favorite characters including Doc, Jennifer, Biff, and Griff. \$39.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## ◆ Back to the Future III

Back to the Future III offers progressively difficult action set in the Old West. Each level is inspired by famous scenes from the movie—so you may have the edge if you've seen it. As players assume the roles of Marty McFly and Doc Brown at various stages of the game, it's up to them to return everyone safely to their own time. But Buford 'Mad Dog' Tannen isn't going to make it easy. Gamers encounter a buckboard chase, shooting gallery, pie throwers and a harrowing train chase. Players assume the role of Marty and must balance their way along the top of a speeding train collecting speed logs and avoiding Buford's gang. \$39.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Bad Dudes

This arcade hit thrusts you into a modern day mission to rescue the President from a ruthless kidnapper—The Dragon Ninja. As Blade or Striker, you take to the streets. But the Dragon Ninja is ready for you. He sends wave after wave of relentless ninjas and enemies to stop you. In the end, you can take on the Dragon Ninja himself. \$44.95  
*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Balance of Power

Takes all the features of the original award-winning game and adds numerous enhancements to reflect the current amplified state of world affairs. Be a superpower leader in this nuclear-age strategic simulation pitting the U.S. against the U.S.S.R. \$39.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Balance of Power: The 1990 Edition

Experience firsthand the pressures and challenges of global leadership in the updated and expanded version of Chris Crawford's award-winning geopolitical simulation. In the U.S.A. or as the general secretary of the U.S.S.R. Strike the right balance between forcefulness and cooperation, and you accumulate world prestige—without creating nuclear holocaust. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Ballistix

Played on over 130 different pitches. You've got to score more goals than your opponent, whether it's another humanoid or the computer. Everything from ball speed, to control, to pitch design, to number of players can be selected from the opening screen. \$34.95  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Bandit Kings of Ancient China

Bandit Kings takes place at the turn of the 12th Century. It is based on an ancient Chinese legend similar to that of Robin Hood. Good men have been cast out of the Empire by the evil Minister of War, Gao Qiu, and fled to the countryside. Their goal is to gain strength to right the wrongs that occurred and restore the glory of the Song Empire. It is a combination of role playing game, war game, and management game. The final enemy is Gao Qiu, the evil Minister of War. If you can destroy him, you have destroyed the evil force corrupting society and the game is over. But beware...it is not as easy as it sounds. \$59.95  
*Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayshore Plaza, Burlingame, CA 94010, (415) 348-0200*

## ◆ Barbarian II

Barbarian II brings Hegor the Barbarian into the '90s. Hegor must fight his way through the dark forest near the village of Thelston. Then he has to proceed through the barbaric landscape dodging deadly traps and dealing with dastardly enemies before entering the final conflict with Necron, deep within the evil Temple sanctuary. Your mission is to find and destroy Necron before he completely destroys the land and overruns the human race. \$44.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Basketball-The Pro Game

Statistical simulation of Pro basketball. Includes a stats compiler and over 100 teams. \$39.99  
*Data Innovations Inc., 127 N. Front St., Rising Sun, IN 47040, (812) 438-3733*

## Batman the Caped Crusader

It's two exciting games in one. Now you can thwart the Penguin or the Joker and crack the world's most baffling crimes as Batman, the Caped Crusader. First, a flock of web-footed warriors, then a barrage of bomb-throwing buffoons. This could only be the diabolical doings of you-know-who... An umbrella factory? Robotic penguins? Looks like the infamous jailbird's out again on another felonious fling! Can you locate the Penguin's master computer? Clip his wings and pull the plug on his squawking thugs. Quick to the utility screen! Batarangs! Batgrenades! And a banana, for boosted crime-fighting energy. A booby-trapped funhouse? A circus of clones? The crown prince of crime is about to deal his most heinous hand ever! Can you rescue the imperiled Robin? Dethrone the Joker and defuse his troupe of doomsday duplicates? \$44.95  
*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Batman: The Movie

The Joker's out to take over Gotham City, and only you can put an end to his callous capers. As Batman, you'll meet your enemy in the most dangerous places—the chemical factory, the mansion, and in your final showdown at the dizzying heights of the bell tower. Superior sound and graphics put you in control of Batman's deadly arsenal—the Batmobile, the Batwing, and the Batarang. You'll drive, run, fly, and battle your way to destroying the Joker. \$44.95  
*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Battle Chess

Animated chess pieces fight over the squares. Pieces represent medieval figures. Colorful animation and digitized sound can be toggled on/off. Strong chess algorithm for those who want to concentrate on the game. See CDTV section also. \$49.95  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 549-9001*

## Battle Chess II: Chinese Chess

Cannons thunder, chariots race over grassy fields, and dragons hurl fireballs at opposing forces in the latest animated strategy game from Interplay. Watch as dragons toast hapless knights, counselors flatten pawns with enormous mallets hidden in their robes, and cannons merrily blast away at opponents cowering behind other pieces. Recommends best move, and shows legal moves. Multiple difficulty levels, 2-D and 3-D viewing modes. Available July 1991. Price TBA.  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 549-9001*

## Battle Command

An arcade strategy game where the North/South divide is a life-threatening issue—the Ultra War. Ten years on, the latest phase of this siege has culminated in a World War I situation arising, and a stand-off between armies massed over a long dug-in battle front. You must succeed where other elite troops have failed, and strike a blow for freedom against the oppressive Southern Forces. Brains and priceless military hardware are your only protection. Over 15 missions, four Weapon Pods to stockpile with lethal devices, and a detailed manual included. \$34.95  
*Ocean Software Ltd., Distributed by Electronic Arts, 1855 O'Toole Ave., Ste. D-102, San Jose, CA 95131, (800) 245-4525*

## ◆ Battle Isle

In a world essentially composed of islands, you are Chief of State and have complete control over the armed forces. Your goal is to attack the islands and capture the most terrain possible. To carry out your mission, you have at your disposal a port, an arsenal, an airport, train stations, factories, an army, a navy, and an air force. Each one of these forces is mobile and can accomplish the strategies of your creation. Careful, you must take into consideration the variables of the terrain: coral reefs, the height of the mountains, etc. While defending your strategic points and energy supplies, transport units and repair warehouses; demolish those of your enemy and render him helpless. Show no mercy! The time for confrontation has arrived! \$49.95  
*UBI Soft, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Battle Squadron

One- and two-player modes, vertical and horizontal scrolling, and chameleon enemies who become almost invisible as they mimic the background terrain. Battle Squadron delivers a unique, 3-D futuristic gaming experience. Earth forces in 2400 A.D. have traveled through space to retaliate against a devastating Barrax Empire attack. You're in command of an Earth space cruiser, dodging and darting across alien terrain, facing dozens of whirling air enemies, and challenging intense fire from ground emplacements. \$39.95  
*InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266*

## BattleTech: The Crescent Hawk's Inception

Authentic BattleTech combat is yours to command. Exciting, animated role-playing action. All new, richly detailed story set in the world of the Successor States. Emotive outtakes in the Japanese-comics style increase the realism. Plan your own battle tactics, or let the computer determine strategies for you. Your Battletech package contains the game disk, Player's Guide, Weapon and Mech Recognition Guide, and full-color poster. \$29.95  
*Infocom, 4600 Bohannon Drive, Menlo Park, CA 94025, (415) 329-0800*

## Battlehawks 1942™

The blood-red Rising Sun on the tan flight deck of the Akagi rushes toward your windscreens as your SBD-3 Dauntless dives through the flak—3,000 feet! 2,000 feet! Bombs away! In *Battlehawks 1942™*, you'll fly historically accurate missions in realistic U.S. and Japanese fighters, dive bombers, and torpedo planes in four carrier battles of the Pacific war. True-to-life flight dynamics and instant replays make this a thriller. \$49.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## BeBop 'N Drop

BeBop 'N Drop is a graphical puzzle game, the next generation of the popular shareware game *Obsess-O-Matic*. The object is to fit falling pieces together forming horizontal rows, which then disappear off the board. If the pieces reach the top of the board, the game is over. Fifty one-player and 25 two-player game boards are organized for tournament or single board play. Each board has a unique shape containing tricks, traps and possible secret solutions. Board utilizes piece sets, where shapes, color graphic bitmaps, digitized stereo sounds, and animations vary. Special effects such as the pile driver, firestorm, and the column fillers add enjoyment to game play. Produced by Electronic Horizons. \$34.95  
*Palomax, Inc., 424 Moreboro Road, Hatboro, PA 19040-3932, (215) 672-6815*

## ◆ Berlin 1948

An atom bomb is set to vaporize West Berlin and time's running short. Everyone says you're the best undercover man in the agency...now you have to prove it! Roam the war-torn streets of Berlin, stopping in bookstores, nightclubs and the cinema to try and unravel the plot that threatens world peace. Taxi through each sector, trading cigarettes, questioning suspects, making friends and enemies, and searching for the doomsday device.  
*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

## Beyond 2400 A.D.

Step into the blistering action and strategy of futuristic urban combat in this space age, role-playing adventure game. As a new arrival on the planet XK-120, you are chosen by the beleaguered underground resistance to lead the revolution against sinister robot oppressors and restore freedom to the city of Metropolis. Smooth-scrolling, state of the art graphics with a slightly tilted, top-down perspective. Provides a large, detailed city with nine levels and a huge underground passageway system. \$29.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Beyond Dark Castle

Return with Prince Duncan as he ventures on a mission to conquer his mortal enemy, the Black Knight. Players find themselves back in the dreary, damp castle and they must combine their best strategic tactics with quick action in an all-out adventure. A sequel to *Dark Castle*, this title features third-person perspective where players are continually challenged with animated creatures and seemingly inescapable castle rooms. \$29.95  
*Activision, 4600 Bohannon Drive, Menlo Park, CA 94025, (415) 329-0800*

## Big Business

*Big Business* is a humorous, wacky simulation of a large manufacturing corporation. Three players, each starting off with equal assets and marketing the same product, compete to acquire the greatest net worth by the end of the game. While some aspects of the game are strictly for entertainment, the core of the program is a very accurate economic model. Options: total of three players can compete; loading and saving of game status; print capabilities, etc. \$49.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Bill & Ted's Excellent Adventure

For a hilarious, time-warped trip through history, it's *Bill & Ted's Excellent Adventure*, a fully-animated arcade action game recreating all the fun of the hit movie. It's a bodacious romp in search of famous dudes—Napoleon, Socrates, Genghis Khan, Freud, Joan of Arc, Lincoln, Einstein, and more—it's a quest to pass that most heinous history exam. Digitized photos and sound from the movie add to this outrageous adventure. See CDTV section also. \$49.95

*Capstone, 14202 SW 136th Street, Miami, FL 33186, (305) 252-9040*

## Bill Elliott's NASCAR Challenge

Choose from six official banked NASCAR tracks of Daytona, Atlanta, Bristol, Darlington, Michigan, and Talladega, or the twisting road courses of Sears Point and Watkins Glen. Then prepare to race using track condition information to adapt your stock car by adjusting engine type, tire stagger, spoiler angle, and gear ratio. Players can review their driving skills with a VCR instant-replay mode which allows players to record their action (crashes and all) from six different camera positions and play it back. Authentic racing features include a dash board with damage warning light, tach, fuel, oil, and temperature gauges. A leader board shows your best and current lap times, number of laps raced, your position, and how far you are behind the leader. \$49.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Bingo Parlor

Talking bingo game for one to 10 players. Menu choice of game, speed, voice. With 320 x 200 resolution. \$19.95  
*Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583*

## Bionic Commando

For two years, your people have struggled against invading forces. With your army reduced to a handful and your artillery depleted, further resistance seems impossible. But in a hidden underground laboratory, a team of scientists has at last perfected a new kind of fighting machine: a bionic arm that extends and contracts, providing unheard of strength and maneuverability. Combined with an arsenal of rapid-fire, armor-piercing, and heat-seeking weaponry, this will put the power of an entire army in the hands of one man... one carefully chosen soldier, who has what it takes to become a new breed of unstoppable commando... a Bionic Commando. You are that soldier. \$39.95  
*Capcom, U.S.A., 3303 Scott Blvd., Santa Clara, CA 95054, (408) 727-0400*

## ◆ Black Crypt

Long ago, four guardians wielded their mystic weapons and powers to vanish the dark lord, Estoroth, from the known world. In sealing his fate, they sealed their own as well. The guardians and their mystical artifacts were lost forever, but the world was safe. As time passed, evil began to spread and hideous monsters from the past returned—the people knew Estoroth was near. As you enter into this world, you will lead a brave band of adventurers on a quest to retrieve the mystical artifacts—they may hold the power of the Guardians and the last hope for the world. The *Black Crypt* is a fully animated dungeon adventure with a unique twist to Point-of-View perspectives. Watch through your characters eyes as you explore both the wilderness above and the dungeons below. Available Fall 1991. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Black Gold

Go into the CEO's office of a major international oil company where you make all the decisions that affect your company's future. You'll search the globe for profitable offshore and land-based oil concessions, studying expert surveys, tracking your competition and drilling for oil. Play three computer opponents or up to three friends; select a quick game for a few hours of fun, or a long-term battle for survival that takes weeks to complete. \$39.95  
*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

## BlackJack

Now you can play BlackJack on your Amiga just as if you were in Nevada. Deals up to nine players using up to nine decks! This program actually analyzes and reports on your progress during the game so you can mathematically create your own system of betting and winning! BlackJack is totally mouse-operated and has built-in instructions that can be recalled any time during operation. \$34.95  
*Software Factory, The, 4574 N. Linda Vista, Boise, ID 83704, (208) 378-0836*

## Blackjack Academy

Learn and practice the basics of Blackjack. Five-player card table, dollar amounts up to \$9,999.00, on and off card toggles. Use multiple table rules (Reno, Las Vegas, Atlantic City) or customize your own table. Pull-down help menu, color selectability, play strategies, game save, and retrieve. Also includes quick reference card to help you make the best decision. \$24.95  
*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

## Blades of Steel

Finally—speed, guts, instinct, and raw physical talent are the deciding factors in a game designed to simulate all pro championship caliber hockey. It's a game where brute force out-muscles brain power. A game you can master so long as you have one fundamental talent—an extraordinary will to win. Features simultaneous play for two or play against the computer. Joystick controlled. \$19.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Blitzkrieg at the Ardennes

A WWII Battle Simulation game with full color graphics and digitized sound. Includes German saboteurs, artillery supply, terrain effects, paratroopers, play customization, weather, fuel dumps, aerial bombardment. Requires 1MB. \$49.95  
*R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399*

## Blockout

A 3-D challenge of thought and skill. Maneuver, rotate, and position various 3-D blocks, as they fall into the playing pit. Fit them together to form complete layers that disappear giving you more room to work. Options allow you to change the size of the playing pit, the block shapes, and the speed of play-making for literally thousands of combinations. \$39.95  
*California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030, (408) 378-0340*

## Blood Money

Swap from submarine to helicopter to jet pack in your fight against the monstrous creatures and alien weapons assaulting you from all angles. Balance your budget throughout each of the four alien safari missions. And buying extra weapons isn't just a frill—it's a matter of life and death. \$39.95  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Blue Angels

Flight simulation. You perform over 25 actual air show maneuvers in three types of air shows and earn a place on the pilots Hall of Fame. \$29.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Bowling

Bowling action game. Player uses the mouse to throw the ball. \$19.95  
*Silver Software, 1922 Purchase Brook Road, Southbury, CT 06488, (203) 264-2583*

## Breach

One player tactical squad combat game. Includes intelligent opponents, multi-level combat areas, many pieces of equipment, and several combat scenarios. Includes scenario builder. \$39.95  
*Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032, (203) 678-7679*

## Breach 2

Lead your squad of space marines into man-to-man combat in alien jungles, man-to-alien combat aboard hostile spacecraft, and wherever else your imagination can take you. Omnitrend's classic tactical wargame now has a new look and an improved player interface. Includes 14 built-in scenarios, and the ability to build your own. \$49.95  
*Mindcraft, 2341 205th St., Ste. 201, Torrance, CA 90501, (800) 525-4933*

## Bride of the Robot

Adult graphic/text adventure. The further adventures of Captain Brad Stallion. Miss Galaxy has been kidnapped by a runaway robot! Your mission is to rescue her. \$39.95  
*Free Spirit Software, Inc., P.O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609*

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## Bridge 6.0

The latest version of Bridge has significantly improved bidding and play from earlier releases and has numerous new convenience features. As before, Bridge 6.0 will bid and play out the hand, recognize blackwood and stayman conventions, and replay interesting hands as well as deal an opening hand if requested. The auto-bid and play features have been expanded to include a suggested bid; the minimum point count for an opening hand can now be specified up to 25 points; the last trick and bidding can be reviewed and the bidding now takes into account partial game scores. In addition, you can play either contract or duplicate bridge. In the duplicate mode, the program deals the same hand twice, switching positions to allow the user to play both offense and defense. The program will deal millions of different hands and you can even set up your own hands and save them to disk for replay at a later time. \$39.95  
*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Brigade Commander

Real time tactical war-game simulation. Utilizes real time play nonstop. Built in editor allows you to create any unit you want from the past into the future. Current official data disks include Operation Desert Shield and Operation Desert Storm. \$44.95  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## British Open Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Carnoustie; Royal St. George's (Sandwich); Royal Birkdale; The Honorable Company of Edinburgh Golfers (Muirfield); Royal Lytham and St. Annes. Forty-three opens! \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## Bubble Bobble

These are two hungry Dino-Mights and they've got Bubble fight'n fun down tight. You and your brontosaurus buddies, Bub and Bob, are up to your brows in bubble trouble. You've got to battle battalions of bullies by blowing and bursting billions of bubbles. It's a fast-paced bubble banquet through over 100 screens of slap-happy suds. \$34.95  
*Taito Software, Inc., 390 Holbrook Drive, Wheeling, IL, (708) 520-9280*

## Bubble Ghost

Help a mischievous spook guide a bubble through 36 rooms, catacombs, obstacles, and traps \$19.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Buck Rogers: Countdown to Doomsday

Buck Rogers, a science fiction role-playing game, is set in the 25th century, just after the Martian Wars. Guide your NEO team to ensure Earth's survival while, on Mars, RAM is an angry and vengeful corporate state intent on reconquering or destroying Earth. Your party of six player-characters (and up to two non-player characters) can engage in planetary or space combat. \$49.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Budokan

Welcome to Tobio Ryu Dojo. The journey of a thousand steps begins here. What will impress you most on your journey? Will it be the fluid character animation that makes Budokan the most elegant and realistic game every created? Or will it be the hard training you endure in the authentic arts of Kendo, Bo, Nunchaku, and Karate? Or will the 12 black belt opponents at Budokan, with their amazing cunning and talent, etch deepest in your mind? Walk the path of the warrior in Budokan and let everything impress you. \$39.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## CHRONOQUEST II

Following on the adventure game Chronoquest—a frantic race through time in the fantastic Time Machine Explora to find your father's murderer—you have now accomplished your task and are about to return to you family chateau, 1922. Explora is still there, but does this technological wonder invented by an old scientist at the beginning of the

20th Century have enough fuel to take you back to your origins? Catapulted into the world of the unknown, you are going to have to use every last bit of intelligence to survive the trials that await you. There's more than your life at stake as you cross the paths of some of history's most seductive (and deadly) damsels, fearsome beasts, temperamental Gods, and naughty heroes. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## CODENAME: ICE MAN

Your mission (should you choose to accept): rescue an American ambassador from a group of fanatical terrorists. If you are up to the challenge, then step forward and join the global action of CODENAME: ICE MAN, a new genre of Adventure/Simulation Game from Sierra. ICE MAN allows you to experience a futuristic nuclear attack submarine simulator. Guide this advanced stealth sub across the globe and into combat with enemy warships. New enhancements of SCI produce a very authentic simulation. An optional mouse works the gauges and steering wheel in the submarine; an improved parser provides a much more life-like feel to the action. As Johnny Westland, a member of an elite U.S. Navy SEALs (Sea, Air, Land) commando team, you must travel undetected, via a state-of-the-art nuclear attack submarine, to rescue the ambassador and time is running out! Requires 1MB. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Cadaver

The player is cast as a medieval adventurer named Karadoc whose task is to track down and kill a mass murderer. The action begins at the entrance of a large rambling castle named Wulf. Mystery, monsters, and action await players who dare to face the challenge. Castle Wulf has five levels, each with 70 rooms. There are a multitude of trap doors, dungeons, pits, and secret passage ways. Available Fall 1991. Price TBA.  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## California Challenge

Scenery add-on disk for The Duel. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## California Games

Play for a big-name sponsor as you surf, skateboard, roller-skate, and BMX-race through California. Specially-marked game boxes give you a chance to win T-shirts, skateboards, watches, keyboards, sunshades, flying disks, and jet skis! \$19.95  
*EPYX, 500 Allerton Street, Redwood City, CA 94063, (415) 368-3200*

## California Games II

Experience the thrill of five new exciting events: Hang gliding, Jet surfing, Snowboarding, Bodyboarding, and Skateboarding. \$39.95  
*EPYX, 500 Allerton Street, Redwood City, CA 94063, (415) 368-3200*

## Capone

Action and adventure in Chicago's 1920s. Use your machine gun to beat the gangsters. Live up the action with The Phaser, a real light gun sold separately. \$39.95  
*Actionware, 38 W. 255 Deerpath Rd., Batavia, IL 60510, (800) 848-2333*

## Captain Fizz Meets The Blaster-Trons

You and a friend will put your minds together to figure out the tactics that will get both of you through the game's 20 fiendishly compulsive levels. Don't be surprised if you can't tear yourselves away! While there's no shortage of alien blasting in this game, it's only there to give you and your partner the breathing space to work out what on earth to do next, as who's got the guts to sacrifice his life for the greater good of the game...and who knows, you may even get close to winning. \$29.95  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Carlos Monte's 7-Card Nopeekie

Feel like you're on the boardwalk while brushing up on this poker-style casino game. \$19.95  
*Erisian Software Products, 132 Cedar Dunes, New Smyrna Beach, FL 32069, (904) 423-3949*

## Carlos Monte's Blackjack/Solitaire

Beat the dealer in do-or-die blackjack or solo a round of solitaire. \$29.95  
*Erisian Software Products, 132 Cedar Dunes, New Smyrna Beach, FL 32069, (904) 423-3949*

## Carlos Monte's High-Rolling Craps

For the gambler, complete the Carlos Monte collection with full craps rules and all casino options. \$19.95  
*Erisian Software Products, 132 Cedar Dunes, New Smyrna Beach, FL 32069, (904) 423-3949*

## Carthage

Strategy and arcade action superbly combined to give you a taste of ancient history so real you can almost smell the elephants. As Carthaginian leader, you must repel the Roman invasion by skillfully executing the right strategy to move and resupply your armies and deploy them for battle. As warrior, you must battle your way against Roman legionnaires in a unique hair-raising first-person perspective chariot race to deliver supplies and money to your beleaguered troops. Carthage features a unique new fractal landscape-generation technology that re-creates the North African landscape in historically and geographically accurate details., allowing you to zoom in on specific locations for troop placements and battle sequences. \$44.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Casino Fever

Play and learn craps, roulette, blackjack, and poker. Online help in craps and roulette. Mouse driven interface, Vegas odds. Works on any Amiga. \$39.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Castles

Castles will allow players to experience for themselves what it was like to design, build, defend, and manage their own dream castle. Decide on the kind of gatehouse, how peasants should be worked and taxed, and whether or not to get involved in quarrels between the church and state. Castles features 256-color graphics, musical score, full soundtrack support, three levels of difficulty, individual or eight castle campaigns, and realistic or magical settings. Available in September. Price TBA.  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 549-9001*

## Castlevania

Fight ghosts, goblins, demons, wolves, and bats, all thirsty for your blood. Go up against Count Dracula as he goes for your jugular. For one player only. Joystick controlled. \$19.95  
*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Centerfold Squares

Adult-oriented game with digitized graphics. Play against one of eleven centerfold opponents to uncover strategically positioned squares. Different skill levels from easy to nearly impossible. Graphics digitized using a proprietary process that combines the best features of modern scanning technology with the artist's finishing touches. \$29.95  
*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Centurion: Defender of Rome

Lead your legions into battle and exploration at the very edge of known civilization. Participate in colorful displays of clashing gladiators and rushing chariots. Or test your diplomatic skills against the likes of Hadrian, Hannibal, and the beautiful Cleopatra. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## ◆ Challenge Golf

A realistic simulation of golf, made with genuine 3-D landscapes which put you right in the middle of the action. Four 18-hole courses, one to four players, professional and amateur levels, driving range, full club selection, handicapping system, save and load games, and much more. \$40.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114*

## Chamber of the Sci-Mutant Priestess

Psychic powers are the key to this adventure—a thrilling, intricate puzzle that will challenge and entertain you. Battle the mutant Protozorks for the



highest of stakes: the life of your lady love and the future of your planet. This game provides beautiful animation, an advanced yet easy-to-use icon interface, and a sophisticated plot. \$49.95  
*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## ◆ Champions

Champions is a new adventure with more than 20 detailed villains to conquer. Multiple story lines are combined with a character interaction system where players select goals, methods and an attitude for character interaction. Players also determine the precise powers and abilities of the superhero characters and then customize the character's costume, visual and sound effects. Combat scenes combine the precision of role-playing combat with full-screen animated graphics. Available December 1991. \$59.95

*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Champions of Krynn

Champions of Krynn is the first AD&D fantasy role-playing computer game to be set in TSR, Inc.'s most popular AD&D game world, the DRAGONLACE® world. The player guides a party of characters (up to six player characters and two non-player characters) through a web of intrigue and combat. Player characters include kenders and Knights of Solamnia as well as most races and classes of characters from the best-selling DRAGONLACE novels—Tanis, Tasselhoff, and Caramon—as they struggle to overcome the forces of evil. New features include five different difficulty levels, moons with phases, and gods that grant special abilities to their clerics. A special four-color poster featuring an original TSR painting is also included in the game. \$12.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Chaos Strikes Back

Dungeon Master players everywhere are waiting to take on their arch-rival in Chaos Strikes Back. \$39.95

*FTL Games, 6160 Lusk Blvd. C-206, San Diego, CA 92121, (619) 453-5711*

## ◆ Chaos in Andromeda

Chaos in Andromeda is a fantasy role-playing game set on Koranis 12. Your mission is to find and bring back the political figure and scientist Mr. Noko Yai. He has been kidnapped; if you can't bring him back you must destroy him. Available for NTSC and PAL. \$50.00

*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114*

## Checkered Flag Rally

One or two player, overhead view, and 48 directional scrolling in 32 colors! Pushing the Amiga to its maximum. Checkered Flag Rally achieves 55+ frames of animation per second. Race on one of 10 courses, each so large that it takes at least four minutes to complete just one lap! \$44.95

*Realism Entertainment, 6 N 522 Pine, Bensenville, IL 60106, (708) 595-7487*

## Checkmate

Checkmate is the strongest computer chess program on the market. It has an opening library of over 300,000 moves, learns as it plays by adding strong moves to its library, and is rated in the candidate master category. Requires 512K. \$54.95  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 549-9001*

## ◆ Chinese Chess, The Science of War

Unique rules and pieces make Chinese chess an exotic and exciting imagination of war. A river divides the board in half, a king and his guards inhabit imperial palaces, and a cannon can menace the enemy with a move that is unlike anything in Western chess. Chinese Chess includes multiple 2-D and 3-D views; several levels of difficulty; clocks; the ability to print, save, or load games; online descriptions of rules, pieces, notation, and strategy; the ability to create custom positions; mouse or keyboard control of pieces; and special features for learning the game. \$32.95

*Eagle Tree Software, P. O. Box 164, Hopewell, VA 23860, (804) 452-0623*

## Chip's Challenge

Over 140 levels of puzzle-solving action challenging the user's imagination while captivating the player with suspense of what challenge lies ahead. \$39.95

*EPYX, 500 Allerton Street, Redwood City, CA 94063, (415) 368-3200*

## Chrono-Quest

Your quest begins in your father's chateau circa 1920, where you find his latest invention: a fantastic time machine. You are the prime suspect of your father's murder, but a letter from him leads you to think he has escaped into the future. You must find fragments of a magnetic card needed to drive the machine home. Brilliant graphics, full icon control, three disks. \$49.95

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Chuck Yeager's Advanced Flight Trainer V2.0

Experience white knuckle flying thrills with this new version of the best selling hit. Show your stuff in 18 different aircraft, each with accurate aerodynamics and realistic 3-D graphics. Fly formation with the Blue Angels and Thunderbirds or race six new courses. As a special bonus, Chuck Yeager personally guides you through AFT on the Flying Insights audio tape included in every package. \$39.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Classic American Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Seminole (Palm Beach, FL); Pine Valley (Clementon, NJ), ranked No. 1 in America; Spyglass Hill (Pebble Beach, CA); The National Golf Links of America (Long Island, NY); and Cherry Hills (Denver, CO). \$15.00

*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## Classic Board Games

Whether you're in the mood for an enthralling game of Chess, have the hankering for a good old-fashioned game of Checkers, or prefer a rousing game of Backgammon, you'll be able to test your skills against the computer, or against another human. Three difficulty levels will give you a challenging and entertaining match. See CDTV section also. \$29.95

*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Clever & Smart

Join the fun with the bumbling detective characters from Germany's most popular comic strip. They're on a mission of a lifetime trying to find the kidnapped Dr. Bacterius. Incredibly tricky program of strategy as these zany characters fall in and out of trouble and mischief. Package also includes The Crimes, a newspaper filled with clues that will help you solve the mysterious crimes. \$34.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Clown-O-Mania

You are Beppo the Clown in a quest to find the land of a thousand crystals. Features: 70 levels full of riddles and tasks, 3-D screen construction and soft-scrolling in all directions, hilarious upside-down play, great music during game play to accompany the fun, lots of enemies and surprises. Use razor blades, blocking pyramids, jumpers, trampolines, funnels, teleporters to escape the nasties; collect energy boxes and life-giving clown masks. Beware of acid holes, fast enemies and one-way streets. Solve color and number riddles to gain extra points. \$34.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Clue Master Detective

Play your favorite game of criminal detection with friends against the computer, or with a mixture of both. Enjoy the enhancements the computer can bring to the game play, such as graphic animation and sound. Clue Master Detective has more than ever before to exercise your little gray cells—more suspects, more possible murder locations, more weapons—in fact, more mayhem! \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## College League Option Module

Select one of the top 64 college teams in the nation to lead through the annual Championship Tournaments with SportTime's newly released College League module. Play with the actual teams, players, and stats from the 1989 college basketball season. Each team is unique, so the final outcome of any tournament will depend upon the player's coaching and gaming skills. The 1990 season disk is now available. \$14.95

*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## Colossus Chess X

This program offers exceptional graphics, four different sets of chess pieces, complete control over screen orientation (view board from any angle), six playing modes. A unique feature is its ability to learn new lines of play based on its experience playing against opponents. \$34.95

*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6373*

## Combat Course

Get out those fatigues—you've just been drafted into a top-secret training camp for the military elite. Test your skill and endurance in four fast-paced training levels, then build your own obstacle course for the ultimate challenge. \$39.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Commissioner's Disk

For use with Earl Weaver Baseball and Season Data Disks, the Commissioner's Disk provides players with complete control of any baseball league imaginable. A sophisticated tool for managing league baseball, players may use it independently for real-life leagues, from Little League to softball leagues. Become General Manager, as players may draft and schedule a league, hire free agents, update player and team files, and trade up to five players at a time while attempting to operate a successful league. Player rosters and league schedules may be customized and printed once a team has been organized. Players accumulate statistics, view league stats by batting average, slugging percentage, pitching performance, and player position. Players may design their own ballpark or redesign the classics. \$19.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## ◆ Conflict in the Middle East

Conflict in the Middle East: Arab-Israeli Wars 1973-? At 1400 hours on October 6th, 1973, the unsettled condition that passes for peace in the Middle East was shattered by the sound of Arab artillery fire in the Golan Heights and along the length of the Suez Canal. The war between Israel and the Arab Coalition lasted until October 24. Claims were made by both sides after the war; those claims are all debatable. If things had gone a bit differently in the Golan...Israel just might have been destroyed. This wargame simulation offers incredible detail of a brigade/divisional level game. You control every squad, vehicle, and gun tube! \$59.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Conquests of Camelot

A tale that has been told through the centuries will soon become a Sierra 3-D animated adventure game. From the highest rampart of Camelot, to the Holy Land, across storm-tossed seas, Conquests of Camelot will take you in search of the Holy Grail, a search determining your will, your faith, and your physical prowess. Holding true to the mythical Celtic legend, all of your favorites are here with graphics and sound that bring new life to a tale often told: King Arthur, Gwenhyver, Sir Lancelot, and Merlin, who knows all. In simulated combat, you will wield Excalibur, the sword of Kings, and joust from horseback, as you journey to find the lost Grail. Call company for details. Requires 1 MB. \$59.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## ◆ Cosmostruction

Introducing a new concept in space age technology: Cosmostruction! In the near future, space colonies will require tremendous amounts of energy. Become a Cosmostructor and construct a cosmic energy duct between space colonies and nearby plan-

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etoids to drain them for power. You and your opponent take turns constructing a piece of the energy duct, accumulating points as you play. You must avoid mine fields, use warp gates, and delay your opponent as you both race towards the planetoid. Requires 1MB. \$29.95  
*Empire Graphics, P.O. Box 964, Union, NJ 07083, (908) 964-7864*

**Court Side College Basketball**  
 Statistical simulation of College basketball. Includes a stats compiler and 356 teams. \$39.99  
*Data Innovations Inc., 127 N. Front St., Rising Sun, IN 47040, (812) 438-3733*

**Courtroom**  
 You select the case (robbery, embezzlement, etc.), select the type of judge (liberal, conservative, etc.) and play the prosecutor or defense attorney in this legal affairs drama. Review statements and material evidence, select witnesses, and convince a majority of the jury to win the case. \$49.95  
*FairBrother & SoeparMann, 5054 S. 22nd Street, Arlington, VA 22206, (703) 820-1954*

◆ **Crackdown**  
 Don't be fooled by the flesh tone, underneath that pasty exterior is a flesh and wire cyborg programmed for your destruction. The evil Dr. K created a race of bio-bots to protect his underground city. Dr. K's mission is to expand above ground into human territory. His strategy is to destroy anything that's pure biology. Take another freedom fighter down with you, or go solo. Your mission is to set bombs in all the right places: boiling sewers, laboratories, deserted depots and a dockyard teeming with cyborgs. Each of the 16 levels offers a unique danger. You have plenty of ammo and full brain capacity on your side. They have half a mind, but weapons that will drive you buggy. \$24.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

**Craps Academy**  
 Learn the mysteries of the craps table in the privacy of your own home. Graphics and special effects teach you the rules of the game. A four-player table allows five friends to play at once using animated dice with scrolling table, complete glossary of buzz words, instant recap of recent game, and player stats. \$24.95  
*MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

**Crazy Cars**  
 Race in The American Cross Country Prestige Cars Race, the world's craziest race. Over six tracks cover the U.S. in 72 stages. Complete the race before time runs out and get a faster car. Start with a Mercedes 560SEC, then a Porsche 911 Turbo. Work up to a Lamborghini Countach, and if you're good enough, a Ferrari GTO. \$39.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

**Creature**  
 Distress calls received from deep space report hostile alien life forms, and you are the only space security captain within range. Will your light phaser (sold separately by Actionware) be enough to stop the aliens? And what of the rumors describing an unstoppable beast that lurks within the walls of the space station? This may turn out to be your worst nightmare, for it is... Creature! Also uses mouse. \$39.95  
*Actionware, 38 W. 255 Deerpath Rd., Batavia, IL 60510, (800) 848-2333*

**Cribbage King / Gin King**  
 Two brilliant card game programs in one package! Gin King will astound you with its stunning full-color hi-res graphics and challenging play. Cribbage is one of the world's oldest and most popular card games. Now with Cribbage King you can play cribbage like a king! Package includes free cribbage board and a deck of Bicycle playing cards. \$59.95  
*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

**Crime Does Not Pay**  
 Or does it? This is the official mobster game endorsed by the mafia. You don't own the town yet? That won't last long. Maybe becoming mayor of the city would solve your problem. But what about using mobsters to bribe, blackmail, and fight the big guys. Don't listen to justice and order, have no scruples, and lead your gangs to gain control over

money and power. Who are you? The godfather, the femme fatale, or the killer? You will have a realistic map of the city where you can visit 200 locations and meet 10 important people. \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

**Cross-Links**  
 A word-find game that allows players to use their own words to build puzzles. Fun for ages 7 to 70. \$40.00  
*Poco Loco, 3322 Rte. 9G, Tivoli, NY 12583, (914) 757-4261*

◆ **Crusaders of the Dark Savant**  
 Sequel to the best-selling Bane of the Cosmic Forge, Crusaders will offer players an adventure that will take them into a new realm of fantasy role-playing. Features include 256-color graphics, a full soundtrack and an auto-mapping feature. Crusaders also offers a true point and click mouse interface, and new outdoor campaigns. Players see outdoor landscape with trees, streams, and the like. No longer will they spend the entire game trapped in a dark cavern. Players can create their own characters or import parties from Bane. Additionally, Crusaders offers multiple beginnings which depend on a player's end game in Bane. Searching for a secret hidden long ago by a once-mad scientist, players will explore dungeons, castles, a town, caves, and battle the enemy out of doors. New skills and spells will also be available. Available November 1991.

*Sir-Tech Software Inc., P.O. Box 245, Ogdensburg Business Center, Ste. 2E, Ogdensburg, NY 13669, (315) 393-6541*

**Curse of the Azure Bonds**  
 Ambushed, captured, and knocked unconscious, you awake with no idea who attacked you or how you arrived in Tilverton. The mystical power of the azure symbols ensnares your will like metal bonds. When the bonds glow, you must do as they command. Your only hope is to search the Forgotten Realms for members of the alliance who created the bonds and regain control of your own destiny. This exciting sequel to Pool of Radiance lets you transfer characters from Pool and Hillsfar. Features include new player character types, high-level advancement, deadly new monsters, and over 24 new spells. \$49.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 875 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

◆ **Cyberblast**  
 Over 64 levels of intense arcade action. Two player simultaneous. Destroy over 20 different sized enemies. Discover ID cards, maps, magnets, bombs, zappers, and grenades. \$49.95  
*InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266*

◆ **Cybercon III**  
 You have bravely volunteered to execute Operation Nemesis—The destruction of the merciless Super Defense computer gone mad: Cybercon III. Equipped with your enhanced power armour salvaged from the wreckage of Cybercon III's onslaught, you must penetrate the defence complex protecting Cybercon III's brain stem and deactivate it. \$44.95  
*U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

**DARK CENTURY**  
 A gang of extremely dangerous convicts is trying to escape from the federal prison planet. If the gang of prisoners succeeds in reaching Earth, who knows what can happen? Your mission (Codename: Survival Edge) is to capture the convicts while they are still on the planet, but first you must neutralize the ultra-sophisticated tanks which they have stolen and are using in their escape attempt. You are in command of the pursuit tank squad. Your tanks are all equipped with the latest in detection devices and technology. Be the ultimate strategist, and lead your team in defeating the bloodthirsty convicts. Get ready for the fight of your life and remember—show no mercy! \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

**DUCKTALES: The Quest for the Gold**  
 In six different games, at three ability levels, you will search for the world's rarest treasures in a

variety of exotic places. One of the first things to learn, however, is how to keep and send secrets by using secret messages. The control center in Scrooge's office is protected by Gyro Gearloose's Super Anti-Spy Security System, preventing Gloomgold's henchmen, the Beagle boys, from stealing Scrooge's business secrets. The map of Scrooge's worldwide operations can be seen by using the Secret Code Sheet to decode the control center's secret password. \$44.95  
*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360*

**Daily Double Horse Racing**  
 Spend a day at the race track with a full card of ten races. Check your racing form, handicap the races, taking into account the horse, jockey, and track conditions. Then place your bets and watch the action of the race in 3-D scrolling graphics. \$29.95  
*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

**Damocles**  
 Paul Woakes, one of Europe's best-known programmers, has created an ingenious and challenging real time 3-D adventure. Interactive gameplay allows users to capture 3-D objects and relocate them at will. Player-operated explosives give very graphic results. Use too much explosive and you'll blow yourself up! Features include: Frequent day/night changes with dynamic views of sun/moon/planet risings and settings, 37 city sites, 3000 multi-room buildings and over 200 movable gameplay objects. Buying and selling of objects lends an interesting twist to the game. \$24.95  
*Media Technology Limited, 15235 Shady Grove Road, Ste. 100, Rockville, MD 20850, (301) 926-8300*

**Dark Castle**  
 Conquer numerous perils and defeat the Black Knight in the Castle of Doom. Search the castle's halls; but watch out for the bats, rats, vultures, mutants, magic brooms, and whip and rock wielding henchmen. Fourteen levels of increasing difficulty. Animated color graphics and digitized sound effects. \$44.95  
*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

**Darkspyre**  
 Rising from the ashen soil of the Valley of Tears, Darkspyre tower spirals toward the heavens. Angered by the failures of the people they created, the Gods of the Three Ways—War, Magic, and Intellect—built the granite monolith as a final test of mankind's worthiness to exist. The gods decreed that all would perish in a rain of fire and lightning unless a champion was able to overcome the trials of Darkspyre within 2000 years. Most of those years have passed, and even the great warrior Borel was unable to complete the quest. You are the last to enter Darkspyre.  
*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

**Das Boots**  
 Das Boots, based on actual accounts of Peter Cramer, technical source for the movie, captivates the player with a visual panorama unlike any other seen in submarine simulations. Sound, music, and historical perspective combine with state-of-the-art graphics to make this an intense and action packed simulation, with 32 color and digitized sound. \$49.95  
*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

**Datastorm by Visionary Limited**  
 The explosion of the planet Xerxes has plunged its eight orbiting colonies into deep space. Forced to rebuild, they are seeking out a new home planet. You must guide and protect the eight survival pods through their dangerous voyage and lead them to sanctuary. Fight up to 128 intelligent enemies simultaneously, three skill levels. Special powers include: shields, smartbombs, and cloaking devices. \$39.95  
*Media Technology Limited, 15235 Shady Grove Road, Ste. 100, Rockville, MD 20850, (301) 926-8300*

**Day of the Viper**  
 A galactic action-adventure in which players direct a powerful attack android in the rescue of a defense installation seized. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Days of Thunder

Better buckle up, you're about to experience all the engine-roaring, tire-screaming stock car action of the movie Days of Thunder. This heart-pounding adventure features the challenge of eight incredible races on a variety of totally hot tracks. Choose a car, then customize it for maximum speed and handling on the course.

*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Death Knights of Krynn

Death Knights begins a year after the conclusion of Champions of Krynn. A party is taking place commemorating victory over the evil forces when the celebration is disrupted by the undead Sir Karl swooping in on a Death Dragon. When Sir Karl steals a revered Dragonlance, the champions decide to recover it. As they travel, they find their goal and their adventure prove to be much different than they ever imagined! Characters may be transferred from Champions of Krynn or an entire new party of adventurers may be created. Characters that are transferred can keep their items and money. A Cluebook is available for \$12.95 \$49.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Defcon-5

Strategy is the key to survival. Authentic SDI 'Star Wars,' computer simulation. Using realistic military commands, you are in control of our Star Wars space-based defense system. Orbit laser neutral particle beam emitters. Electromagnetic launchers and nuclear posts. Control surveillance system and destroy missiles from eastern enemies before they destroy the Earth. Great graphics and real-time action. \$39.95

*Cosmi Corporation, 431 N. Figueroa St., Wilmington, CA 90744, (213) 835-9687*

## Deja Vu II: Lost in Las Vegas

This is the first all-graphic adventure game from ICOM Simulations. You wake up with a bout of amnesia and quickly realize that you're being framed for murder. You'll feel as if you're in a 1940s film as you gather clues to clear your name. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Deja Vu: A Nightmare Comes True

This is the first all-graphic adventure game from ICOM Simulations. You wake up with a bout of amnesia and quickly realize that you're being framed for murder. You'll feel as if you're in a 1940s film as you gather clues to clear your name. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Desert Storm Scenario

Add on scenario for USM II simulates operation Desert Storm right down to the Scud missiles being intercepted by Patriots. Includes the Desert Shield Fact Book with a 22-inch by 31-inch full-color map. Requires 1MB. \$29.95

*Intergalactic Development, Inc., 1427 Washington St., Davenport, IA 52804, (319) 323-5293*

## Dick Tracy

Disney has crafted a computer game with the unique blend of 1940's radio theater and comic book graphics to produce a strategy game that defies categories. As Dick Tracy, players try to clean-up a metropolis overrun with sinister gangsters. Get the dope on crimes and try to get the goods on Big Boy Caprice. Dozens of randomly generated crimes will challenge players to race to the scene of the crime, look for clues, and interrogate suspects. Dick Tracy also supports the Sound Source with digitized voice, fully-orchestrated music, and sound effects. \$49.95

*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360*

## DinoWars

Play this interactive strategy with fully-animated arcade sequences and a complete encyclopedia. Join forces in two opposing armies featuring eight of the best known dinosaurs of the prehistoric era. Choice of five different board setups. A multiple-disk package. \$39.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Distant Armies

The playing history of chess. Includes 10 forms of chess, each programmed with its own board, pieces, and rules. Several levels with two- and three-dimensional views; extensive on-line description of each game's history and rules. Includes Chaturanga, Chinese Chess, Burmese Chess, Shatranj, Byzantine Chess, Medieval Chess, Courier, Turkish Chess, Decimal Chess, and Maniac. \$44.95

*Eagle Tree Software, P. O. Box 164, Hopewell, VA 23860, (804) 452-0623*

## Distant Suns 3.0

Version III of the award winning Galileo planetary simulation. Distant Suns won the '88 CES (Computer Electronics Show) award for the most innovative educational product and Amazing Computing's best educational product for '89. Distant Suns turns your Amiga into a planetarium. The sky can be viewed from any place on Earth or from the North Pole lying on your back looking upward in planetarium mode. The program accurately re-plays 10,000 years of what the sky looked like and it projects 10,000 years into the future. It is a very beautiful and realistic color simulation of the sky created by R. Mike Smithwick, a NASA astronomer, and published by Virtual Reality Laboratories. Galileo (now Distant Suns) is fun, in addition to being powerful and visually stunning. Requires 512K. 2.0 compatible. Requires 512K NTSC; 1MB PAL. \$49.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## Distant Suns 4.0

Distant Suns 4.0 brings desktop astronomy and space travel to any 1MB Amiga with at least two floppy disk drives. Version 4.0 adds many new features to an already great 3.0 version: AREXX support, multiple resolution support (interlaced, overscan), animation capability, full screen (not overscan) astronomical photo display keyed to selectable objects, and the ability for the user to put his or her eyepoint up to 400 astronomical units from the sun on any plane. There are more basic stars and a disk of medium resolution images included. Over 2,000 deep sky objects are in the basic data sets. Eclipses are more accurate and pretty to view, and the program can be extended up to 255,000 with VRLI supplied databases. The user can enter his or her own data virtually without limit. Comets and asteroids are included and can be added. Improved fonts make the program more readable and a more subtle color palette is used to give 4.0 a more professional look. Four different program disks may be selected to obtain the one best suited to the user's machine: AmigaDOS 1.3 or 2.0 and either FFP (software floating point) or FPU (hardware floating point) may be selected. NTSC or PAL version available. Upgrade available direct from VRLI. \$99.95

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## Distant Suns Expansion Disk-Deep Sky Objects

Deep Sky Objects shows 213 scanned observatory images of galaxies, nebulae, and star clusters. Most of the objects from the Messier Star Catalog are included, as well as over 1200 NGC (New General Catalog) objects. Point and click to an obscure pinprick of a star and see a detailed photograph of how it looks to professional astronomers using high-powered visual instruments. Black and white images displayed in a box similar to telescope mode in Distant Suns. Installable on hard disk. See Distant Suns in Education category. \$30.00

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## Distant Suns Expansion Disk-Sky Map Level 1

Sky Map adds more than 20,000 additional 'Distant Suns' to your sky. The data for these stars, such as location, luminosity, etc. was taken directly from NASA's own deep-star catalog, which is comprised of relevant information on over a quarter-million stars. SkyMap includes the brightest stars from the catalog, or those with magnitudes of 7.25 or brighter. The result is visually gorgeous. Data can also be displayed about these stars. Hard disk installable. Two-disk set. See Distant Suns in Education category. \$25.00

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## Distant Suns Expansion Disk-

### Yale Bright Catalog

Yale Bright Star Catalog adds 9,100 more stars to your Distant Suns sky, which already has more than 2,200. The user is able to pull up data on more than 7,000 of these stars. Hard disk installable. See Distant Suns in Education category. \$18.00

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## Distant Suns-Space Visions

Space Visions is a series of IFF images selected by Mike Smithwick, author of Distant Suns. Space Visions may be viewed with Distant Suns 4.0 or any program which allows viewing of IFF files—any paint program, for instance. Space Visions cannot be viewed with the Distant Suns 3.0. Available direct from VRLI only. These are full screen (not overscan) hi-res images. It contains 246 images and is 25 disks plus an installation disk. Includes Mars from orbit and surface (Viking mission photos; Earth from orbit (various Gemini, Apollo, and Space Shuttle missions); Mercury flyby (Mariner photos); Skylab (America's 1st space station); Space Shuttle in operation; Voyager (Photos include Jupiter, Saturn, Uranus and Neptune); Deep Sky objects; Gemini two-man mission; lunar photos by Lunar Orbiter and Apollo astronauts; historical shots from the Apollo mission. \$90.00

*Virtual Reality Laboratories, Inc., 2341 Ganador Court, San Luis Obispo, CA 93401, (805) 545-8515*

## Dominoes

Classic board game with 3-D graphics. Easy to learn, hard to win. \$12.95

*Polyslot Software, 884 W. Melrose Lane, Boise, ID 83706, (208) 336-4583*

## Double Dragon II: The Revenge

Two brothers Billy and Jimmy Lee must join in deadly combat with the savage Black Warriors to free Billy's girl Marion. Using martial arts expertise and whatever weapons they can grab, Billy and Jimmy pursue the gang to the secret lair of the Shadow Boss for a final confrontation. \$39.99

*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Double Dribble

The ball is in your court, and it's time for a little five on five. You know every trick in the book; but so does your opponent. He'll match you man for man, move for move. Slams, steals, switching defenses, and fast breaks—the clock is ticking, the coach is screaming, the pressure's on. Will it be in the hoop...or in your face? Features simultaneous play for two players or one player against the computer. Joystick controlled. \$19.95

*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Downhill Challenge

Ski-racing simulation allows players to compete in downhill, slalom, giant slalom, and jumping events. Three levels; 3-D animation. \$29.95

*Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263*

## Dr. Doom's Revenge

An interactive comic book. State-of-the-art full-screen comic book pages, drawn in dazzling color and featuring the authentic Marvel look. Each page of the game shows Spidey and Cap's progress through Doom's castle. Over 30 challenging arcade sequences give you control of Spiderman and Captain America as they battle Dr. Doom and his super villains. \$39.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Dr. Plummet's House of Flux

More than a run-of-the-mill gravity game. It is 28 screens of the most bizarre, humorous, and frustrating challenges in the universe, spread over four selectable missions, each one more difficult than the last. It's fighting aliens and twisted, unpredictable forces of Dr. Plummet's fortress. But best of all, it's the most entertaining way to turn off those over-worked brain cells for a while. \$24.95

*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

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## Dragon Wars

Fantasy role-playing in an island world. Players must escape from prison, find out why magic has been banned on the planet, and prevent the unleashing of the dragons guarding the city-states. \$49.95

Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 549-9001

## Dragon's Lair II: Time Warp

Dirk the Daring continues his adventure in the sequel to Don Bluth's animated adventure Dragon's Lair in Dragon's Lair II: Time Warp. Princess Daphne has been spirited away to a wrinkle in time by the evil Wizard Mordroc, who plans to force her into marriage and only you can rescue her. With the help of an aging time machine, you must defeat Mordroc or the princess will be lost forever in the Time Warp. \$59.95

ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175

## DragonStrike

Feel the raw power of the mighty dragon surging beneath you as the wind beats against your face. The deadly skies above the AD&D DRAGONLANCE game world of Krynn explode before your very eyes. Learn to fly dragons and master over 20 different missions. Progress through three different orders of Solamnic Knighthood, gaining bigger, more powerful dragon mounts as you go. \$49.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almaden Ave., Sunnyvale, CA 94086-2901, (800) 245-4525

## Dragonscape

Dragonscape is the wackiest, fastest, toughest, most addictive fantasy shoot-'em-up to appear on the Amiga. Featuring 64-way scrolling, four multi-screen levels, a full musical soundtrack and 100 types of opponents, Dragonscape is fast, furious fun. \$39.95

Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609

## Dragon's Lair

The much-awaited arcade classic. Six digitized disks bring the coin-op laser legend to the Amiga. As Dirk the Daring, you'll try to rescue Princess Daphne from the evil Dragon, Singe. Requires 1MB RAM. \$59.95

ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175

## Drakkhen

The fate of the world rests on your shoulders. Sent to a strange volcanic island, you must overcome its dangers, capture the precious dragon jewels, and summon the all-powerful primordial dragon. Only then can you save your dying world. The characters you design move in 3-D real-time to a host of alluring and unique sound effects. \$59.95

Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080

## Dream Zone

Graphics adventure game set in the land of your dreams. A mad scientist's elixir has turned your dream world into a reality. It's up to you to call upon your logic, imagination, persistence, and sense of humor to locate and overcome the source of your nightmares. Over 100 exotic locales to explore while conversing with multitudes of people, animals, and things. Type simple English commands or click on objects to collect objects, seek clues, or invite company on your journey. \$49.95

Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888

## Dungeon Master

Real-time dungeon exploration with 3-D view. Levels upon levels of monsters, puzzles, and more. Mouse-only interface. Quick reference answers manual available (see Books and Tapes section). \$39.95

FTL Games, 6160 Lusk Blvd. C-206, San Diego, CA 92121, (619) 453-5711

## Dungeon Master Survival Kit

Dungeon Master Survival Kit includes maps, walkthrough, spell list, and other vital information for

Dungeon Master and Chaos Strikes Back. This kit also contains Custom Character Editors for both games. Requires 1MB. \$19.95

Elkon Enterprises, 4654 Mistletoe, Wichita Falls, TX 76308, (817) 691-0964

## Eagle's Rider

The year is 7014, the war between humans and cyborgs continues. Only a few solar systems remain under human control. You are Captain Steve Jordan, elite pilot of the 637th squadron of interceptors. You had been taken prisoner by the cyborgs. Somehow you've managed to escape from your prison planet, stealing their new fighter, Eagle. Fly your Eagle fighter throughout space at lightning speed, avoiding collision with asteroids and mines. \$49.95

Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

## Earl Weaver Baseball Data Disk

Statistics from 1986 major-league teams. \$19.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## EbonStar

Skill and strategy. Avoid satellites, armed drones, and the Warp, to destroy competitors by hurling them into the synthetic black hole. One to four players, 50 levels of complexity. Fast paced free-flowing graphics and animation are sure to keep you captivated! \$24.95

MicroIllusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345

## Echelon

True simulation puts you in control of the C104 and in the heart of the action. You operate the craft from inside the control room. As the top ISF pilot, you are in command of the C104 Tomahawk stationed in patrol zone 106. As the only patrol craft in the zone, you must fly daily reconnaissance missions. Search for artifacts and clues that reveal location of the space pirate stronghold. \$44.95

Access Software, Inc., 545 West 500 South Ste. 130, Bountiful, UT 84010, (800) 800-4880

## Eco Phantoms

All that remains of life on Earth lies beneath the domes of the Eco Phantoms. Having entered a dome and hijacked an Eco zeppelin, you must become a skilled pilot in order to maintain your ship; navigate through the system of gulleys, and confront the dangerous and intriguing creations of the Eco Phantoms. Swift mastery of the code creator is also vital to your success. For areas inaccessible to your ship you have at your command a team of highly skilled robots. The mothership hangs menacingly above the Earth, awaiting the last shipment of your planet's remaining resources. Your aim is to destroy the Eco Phantoms' grip on the planet. The future of life on Earth is in your hands. \$39.95

Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031

## Electric Jigsaw

Play with six to 294 pieces and never lose a single one. Just like working at the kitchen table, you can put groups of pieces together then move them to fit into the border pieces you've already assembled. The Electric Jigsaw combines the challenge of board jigsaws and the magic of computer animated graphics. Six different puzzles to choose from. \$19.95

Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353

## Eliminator

Space highway arcade game. \$34.95

MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151

## Elvira II: The Jaws of Cerberus

Rescue Elvira from the ghastly Cerberus, the 60-foot tall, three-headed demon who has found its way into our dimension and now holds her captive somewhere in the depths of a huge film studio. The game features more locales to explore, including three frighteningly authentic movie studios, and more gruesome and vividly graphic creatures to combat both physically and magically. Gameplay is enhanced with realistic and spooky animated graphics, a haunting original soundtrack, and a transparent interface that, working together, completely embroil the player in an experience synonymous with a first class horror movie. Available 4th Quarter, 1991. \$59.95

Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700

## Elvira, Mistress of the Dark

Featuring the sultry Elvira, the world's most famous spokesperson for ghouls and goblins, the game leads players on a ghostly and grisly role-playing adventure through a demon-filled medieval castle. Search for 'The Scroll of Spiritual Mastery' sealed in a chest bearing six different locks. You must find this before Elvira's relative, Queen Emelda, who recently rose from the dead. In your search you will cast spells using the book of magic spells while fighting off evil creatures. \$59.95

Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700

## Entity

Three layers on top of each other that make the arcade playfield most unique. Nine layers of parallax scrolling, over 100 colors on the screen at one time, along with animated backgrounds and several digitized sound effects, make this a great arcade strategy game. Gameplay allows you to carry over ten different objects and several power upgraded weapons. \$49.95

InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266

## Escape from Singe's Castle

Plunge further into the depths of the Dragon's Lair! Just when you finally rescued Daphne from Singe the Dragon, along comes his master, the Evil One, and steals her away again. Match wits with the new challenges that confront you as well as totally new encounters never before seen in the original Dragon's Lair®. Muster all your skill and cunning to free Daphne once again in the brilliant final battle deep within the cavernous dungeons beneath the Castle. Escape from Singe's Castle installs on any hard drive, runs multitasking, and even links with the original Dragon's Lair to allow you the ultimate playing experience. \$44.95

Media Technology Limited, 15235 Shady Grove Road, Ste. 100, Rockville, MD 20850, (301) 926-8300

## European Challenge

Scenery disk for The Duel. Journey through Germany, Switzerland, Holland, France, Spain, and Italy. \$21.95

Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700

## Eye of Horus by Fanfare

Eye of Horus is an arcade, adventure game set in ancient Egypt, in which the player relives the ancient myth of Horus. As Horus, the player can transform from man-god to hawk at will in search of the missing pieces of his Father's body. However, somewhere in the confines of the tomb lies the awesome presence of your evil Uncle Set who wants to destroy you! \$39.95

Britannica Software, 345 Fourth Street, San Francisco, CA 94107, (800) 572-2272

## Eye of the Beholder

Eye of the Beholder, the first graphically based AD & D computer FRP game, uses the mouse or keyboard and an easy point-and-click interface to pick up objects, move or throw them, to ready weapons, to cast spells, etc. In the Forgotten Realms city of Waterdeep, your party of four PC's and up to two NPC's have been hired by the City Council to discover the conspiracy hidden below the city. \$59.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almaden Ave., Sunnyvale, CA 94086-2901, (800) 245-4525

## Eye of the Storm

Two hundred and sixteen years into the future, mankind has at last defeated disease, poverty, and hunger. In an effort to boost declining viewing figures, the three huge holovision conglomerates have lobbied the interplanetary legislature for many months. Finally they got their way—the creation of law-free zones, where anything can happen and does—in front of the viewing audience. You have been sent into one of those zones; into the boiling depths of Jupiter's red eye, in a kill or be killed mission. Features over 210 different types of solid 3-D objects with up to 100 faces and 26 animation positions.

ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175

## F-16 Combat Pilot

Players must master five basic missions to become a Squadron Commander. Once all five missions are

completed, players may undertake Operation Conquest, the final scenario. By successfully blowing away the enemy in Operation Conquest, players are promoted to a more elite squadron. There are nine squadrons in all, and each promotion becomes progressively more difficult to attain. The game includes LANTIRN-guided Maverick missiles, Iron bombs and Durandals, Advanced Tactical Air Reconnaissance System, and Air-to-Air missiles. More than 500 fixed and mobile targets are spread over thousands of square miles on every mission. \$19.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## F-19 Stealth Fighter

Features an advanced cockpit with two multi-purpose display screens, a radar scope and 3-D window viewing with a superimposed heads-up display (HUD). More than 30 separate controls are used to regulate flight, engage in combat and surveillance and maintain the plane's electromagnetic profile. Scenarios are based on missions Air Force pilots have flown in training or actual missions. The action moves at Mach speeds on missions in North Africa, Central Europe, the Persian Gulf, and the North Cape of Scandinavia. It provides a constant challenge for beginning and expert game players. The game features authentic, state-of-the-art weapons and threats with heat-seeking, radar-homing and video-guided missiles, plus laser-guided and free-fall bombs. \$69.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## F-29 Retaliator

Identify the enemy and rock his world. Fly the forward swept-wing F-29, whose advanced avionics are revolutionizing aviation history, or the explosively lethal F-22 Advanced Tactical Fighter. Just log in and the ferocious action begins. Choose a fighter, arm your aircraft, and lead your squadron into the sky. There are four intense battle scenarios and 100 different missions to fly. Dogfight aerial opponents, make surgical strikes against land-based targets, and attack the enemy on sea and land. F-29 features the latest in aerodynamic technology, introducing ECOP controls, backwinder AAMS, supercruise, stealth, and more! \$49.95  
*Ocean Software Ltd., Distributed by Electronic Arts, 1855 O'Toole Ave., Ste. D-102, San Jose, CA 95131, (800) 245-4525*

## F/A-18 Interceptor

Fly the F/A-18 Interceptor into combat to defend Air Force One. Includes six combat missions, free flight, and a training mission. In free flight mode, you can try to fly under the Golden Gate Bridge or over Alcatraz. Land on the U.S.S. Enterprise on a training run. Variety of weapons, 3-D graphics, real-time digital map, first-person perspective, zoom function, ejection seat, and sound effects. Requires minimum 512K; 1MB suggested. \$19.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## F40 Pursuit Simulator

At the wheel of the fabulous Ferrari F40, tear through four states in search of the quickest way to accomplish your mission. Plan your route carefully from the map of each state displayed on screen. It will show the actual byways that you can speed on. Your Ferrari features the latest radar, enabling you to detect police road blocks. Realistic 3-D road junctions, hills, and superb graphics. \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## FUNBENCH

FUNBENCH, our non-copy protected alternative to the space arcade shoot-em-up, contains nearly 30 original, highly entertaining programs written specifically for the Amiga. \$20.00  
*S.P.O.C., 299 Old Highway 69, Kiowa, OK 74553, (918) 432-5774*

## Faces...Tris III

Faces...Tris presents players with the task of maneuvering and positioning falling pieces. The blocks represent different face segments, from chin to forehead, of famous and not-so-famous people. As various pieces fall randomly from the top of the screen, the challenge is to stack them in the correct order to form a face. Faces features 10 levels of difficulty with different categories of faces for each level. To complicate the face building task, the blocks fall in pairs and move together left to right.

The special customizing feature allows players to create and place new faces in the game using a separate paint program. \$39.95  
*Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (415) 522-3584*

## Faery Tale Adventure

Guide three brothers on a quest to save the land of Holm from the forces of night. Traverse caverns, mazes, forests, mountains, deserts, islands, castles, and more. Over 19,000 playable screens. 3-D overhead perspective lets you watch as goblins, skeletons, and ogres pursue the brothers. Music changes to foreshadow action, just like in the movies. Adjustable music and sound. \$49.95  
*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

## Falcon

Become the pilot of a realistic but playable F-16 simulation. Controls, heads-up display, and radar conform to current avionics of the F-16A. Game includes 12 missions which vary from air to ground bombing runs to dogfighting up to three enemy MiGs at a time. The most outstanding feature is the ability to go head-to-head against an opponent on a second Amiga. Advance from 1st Lt. to Colonel with increasing abilities such as the Immelmann, yo-yo's, loops, and scissors. Incorporates real action sounds, including engine start-up, machine gun, missile launch. Four cockpit views and three tower views, zoom-in and zoom-out features. So realistic, Falcon is being used in a military aircrew training program. See CDTV section also. \$49.95  
*Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (415) 522-3584*

## Falcon Mission Disk II: Firefight

Your mission: annihilate enemy tanks, trucks, MiGs, Hinds, pontoon bridges, and supply lines—fast! These 12 new heart-pounding missions are guaranteed to test the skill of even the most seasoned Falcon pilot. Wield new weapons and equipment. Air-to-air radar-guided missiles, high-speed anti-radiation missiles, and radar jammers. Achieve tank superiority, and you'll earn the Medal of Honor. \$29.95  
*Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (415) 522-3584*

## Falcon Mission Disk: Counterstrike

Falcon Mission Disk gives you the incredible maneuverability and weaponry of your original Falcon F-16 simulation, plus a new set of missions with more enemy vehicles, new terrain, and improved graphics and playability. Your objective: total defeat of the enemy by destroying his industrial and ground assets, while protecting your base from attack. The enemy comes by land, sea and air; you'll have to dig deep into your bag of tricks to repel this attack. It's a whole new world of challenges with the Falcon Mission Disk. Expand your horizons as you go head-to-head with the latest in flight simulations. System requirements: Amiga, 512K RAM, KickStart 1.2 or above, one 3.5 disk drive, Monitor, and the original Falcon program in order to run Falcon Mission Disk. PAL compatible. \$24.95  
*Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (415) 522-3584*

## Famous Courses Disk Volume #1

Featuring Harbour Town, South Carolina; Sunningdale, London; Dorado Beach, Puerto Rico; and the most difficult and challenging course Pine Ridge. Each course features a scorecard printout, a top view, and an all new Punch feature which lowers the trajectory of the ball and assists in tree play. Requires World Class Leaderboard. \$19.95  
*Access Software, Inc., 545 West 500 South Ste. 130, Bountiful, UT 84010, (800) 800-4880*

## Famous European Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Club de Golf Sotogrande, Spain; Chantilly, France; Falsterbo Golfklubb, Sweden; Club Zur Vahr, Germany; and Royal Liverpool (Hoylelake), England. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## ◆ Fantastic Voyage

Based on the 20th Century Fox film, Fantastic Voyage challenges players to make their way through the human bloodstream in order to destroy a bloodclot in the brain, fighting antagonistic white

blood cells, antibodies and other hazards along the way. The game features unique organic graphics and sound effects. Available for Christmas, 1991. \$49.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## Fast Break

Three-on-three basketball with double-clutch, mid-air, off the glass animation. Go to the playbook for 15 offensive and five defensive pro-styles. Design your own plays with the exclusive Playmaker feature. View network television court perspective. \$19.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Fast Eddie's Pool and Billiards

A realistic simulation of 14 top pool and billiard games with entertaining graphics and sound. Comes with everything but the pitcher of beer! \$34.95  
*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

## Femme Fatale

A digital puzzle for adults. Ten exquisite girls digitized in full color. Large, full screen images. Five difficulty levels (25, 40, 64, 80, and 100 pieces). Digitized feminine voice assistance. Load/Save game options, hints, undo, status. Choose from our superb library of Digitized Data Disks or use your own images. Entertaining and addictive. \$34.95  
*Graphic Expressions, P. O. Box 110028, Nutley, NJ 07110, (201) 661-0408*

## Fiendish Freddy's Big Top O' Fun

Take a satiric, twisted visit to the circus with this arcade-style game, which uses slapstick humor and superior cartoon-style animation. Take center ring on the trapeze or in five other events, but look out for Fiendish Freddy, the cynical circus saboteur who will thwart you at every turn. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Final Mission

Avoid enemies, collect objects. Dig and climb your way through 350 different levels. Dangerous mines, traps, and energy fields will push you to the limit. Excellent graphics, sound, and programming. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Fire Power

Arcade-style tank battle featuring one-to-one playability on split screens—against the computer, against a friend, or over the modem. Smooth scrolling graphics and animation give the game a realistic feel. Sound effects like tank engines, explosions, and helicopters keep you on your toes as you defend against the enemy and its helicopters. Rescue your troops and return them to the first aid stations. Multiple fields and random flag locations allow a variety of strategies. Three tanks to choose from. \$24.95  
*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

## Fire and Forget

Earth is in turmoil and you must save it. You're the top commander of the Thunder Master, the world's ultimate fighting machine. Face three levels of six conflicts from guerilla to global war. Let Thunder Master's V-16 triple turbo engine and four-wheel drive speed you through enemy terrain. If you need help, radio to a partner. Let the commander of the magnetic levitation unit Thunder Cloud help you by manning the skies while you take the ground. \$39.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Fire and Forget II

Mines, armored crafts, bombers, jumpers, probes, and suckers will be your opponents. They are all different and use various combat techniques, but they have one common point, they are exterminators. The ability to fly will be your strength, but you will certainly need it to catch up to the head of the convoy before the fatal explosion. \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

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## Flight Simulator II

Cessna 182 single-engine plane flight simulator. Over 120 airports, five scenery areas. Full instrumentation, many features. \$49.95  
*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983*

## Flight of the Intruder

Flying either an A-6 Intruder or F-4 Phantom in the computer simulation, players are sent into combat from their base on the carrier USS Shiloh. The action takes place during the 1972 Linebacker campaign over North Vietnam. It features multiple missions in which the pilot is usually part of a larger operation undertaken by one of several sections of aircraft. Typical enemy targets include bridges, power supply plants, docks, and shipping facilities. To be successful, players must be prepared to run the gauntlet of both air and ground defenses. You may also choose to take on the role of Mission Commander. \$59.95  
*Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (415) 522-3584*

## Formula 1 Grand Prix

Six International Circuits. Five different cars. Six-speed gearboxes, lap records, and more. Up to three cars on the track at the same time. \$29.95  
*StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553*

## Fright Night

You're Jerry Dandrige, and you've got 12 hours to bite everyone in the house before they stake it to you. Game play by Steve Bak and graphics by Pete Lyon. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Frostbyte

Fast-moving arcade adventure starring Hickey the Kreezer. Help him to free his fellow remaining Kreezers from the goulsh monsters who inhabit the planet craters. Fifty different screens, great graphics, and sounds. \$29.95  
*StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553*

## Full Count Baseball

Strategy simulation so real, you can almost hear the crack of the bat. Comes complete with 78 teams, a stats compiler; one, two, and computer vs. computer play modes; and draft, trade, input players/teams options. \$39.99  
*Data Innovations Inc., 127 N. Front St., Rising Sun, IN 47040, (812) 438-3733*

## Future Classics Collection

A collection of five entirely new games in one package: Diskman, TankBattle, BlockAlanche, Lost 'N Maze, and Diet Riot. Offers three ways to play each game: Split-Screen for two-player head-to-head competition; Full Screen for two player game or single player; and Split Screen against one of three computer characters. Each game has 20 to 50 or more levels in each mode. \$39.95  
*Live Studios, Inc., 30151 Branding Iron Rd, San Juan Capistrano, CA 92675, (714) 661-8337*

## Future Wars

Graphic adventure game in which the player must crisscross through time to prevent the destruction of Earth in the distant future. See CDTV section also. \$49.95  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 549-9001*

## GRIDIRON!

Football simulation uses digitized audio. Devise and call your own plays. Loaded entirely into RAM and runs in real time with five levels of play. Requires 512K RAM. \$39.95  
*Bethesda Softworks, 15235 Shady Grove Road, Suite 100, Rockville, MD 20850, (301) 926-8300*

## Galactic Conqueror

Fast action of a coin-op game and the sophisticated strategy of a computer. Located in the center of the galaxy is Gallion, the supreme headquarters of the stellar league. They have detected an enemy invasion. As the only one with enough experience to handle a strategic conflict, you will be sent to stop the invasion. Which of the 416 planets will be the most important to liberate and aid in the battle?

Which planets may not be counted on? Join a training mission at any time, to increase your skills and attain a higher level of performance. \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Galactic Invasion

Intergalactic dogfight. Invade the enemy galaxy and capture and destroy their satellite stations. Find material to build the ultimate doomsday weapon. Real-time interactive graphics, digitized stereo sound, computer opponent, 3-D galaxy complete with stars, planets, moons, suns, and asteroid belts. \$14.95  
*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

## ◆ Gateway to the Savage Frontier

Gateway to the Savage Frontier is Volume 1 in a completely new AD&D computer fantasy role-playing epic. It takes place in the mysterious unexplored territory within TSR's Forgotten Realms game world. Starting in the town of Yarter, you must adventure over a vast area of wilderness on a quest to gather four magical statuettes. With these statuettes you thwart the invasion from across the seemingly impassible Great Desert of Anauroch. Varying degrees of character levels from novice to advanced. \$49.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Gauntlet II

Based on the arcade mega-hit, Gauntlet II brings you superlative graphics, sound, and total excitement. In search of magical treasures, you explore the Dark Dungeons while battling ghosts, demons, fire-breathing dragons, sorcerers, and other deadly foes. Come live the fantasy of the popular legendary characters—Thor, Thyra, Questor, and Merlin. Up to four players can join in on the action at any time during play. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Genghis Khan

Genghis Khan catapults the player into an era of world conquest and domination. There are two separate scenarios—Mongol Conquest and World Conquest—each offering a game system that virtually never puts the player in the same position twice, allowing for endless hours of absorbing game play. As a player you attempt to build an empire. Keep it by making your populace happy, your treasury full, your subordinates loyal, and your enemies at bay. The human side of empire building has not been forgotten. Finding the right way to approach a hostile empress is just as important as training troops in battle. Do not let your guard down, and be ready for a host of problems. \$59.95  
*Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayshore Plaza, Burlingame, CA 94010, (415) 348-0200*

## Gettysburg: The Turning Point

Reenacts the three-day Gettysburg Civil War battle in 42 turns. Command-and-control system shows the effects of the commanders, ammunition points, fatigue, and other factors. Basic, intermediate, and advanced modes available. Computer allows you to play the Blue or the Grey. \$59.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Globulus

A unique combination of action and strategy on a 3-D isometric maze. Puzzling fun for all! \$29.95  
*InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266*

## Gold Rush

Historical adventure follows a 49er from New York to California. Three different games, one for each path the miner follows. \$39.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## ◆ Gold of the Americas

Conquest of the new world. Fame and fortune are waiting to be claimed in the new world. Just explore virgin wilderness, deal with natives, establish Colonies, and extract the gold. Then keep it out of the hands of the other major powers, while avoiding the rapacious demands of your own government.

Historical or random start scenarios with ruthless and cunning computer opponents. \$45.00  
*Strategic Studies Group, 1747 Oleans Court, Walnut Creek, CA 94598, (415) 932-3019*

## Golden Axe

The Death Adder is tyrannizing the people of Yuria. Only three heroes have the strength to stop the ruthless tyrant and regain the throne. Tyris-Flare, a beautiful and powerful amazon is empowered by a special fire magic. Gilius-Thunderhead rumbles and tumbles to the scene with his astonishing combination of lighting power and gymnastics skills. And the Axe Battler has sharpened his giant sword for battle. You must choose which challenger to send into the dreaded path of the Death Adder. Your weapons range from razor-sharp swords to curtains of fire. You can even joust with your foes. Remember, one dose of magic can wipe away an acre of evil. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Goldrunner

The first installment of the Goldrunner series. Join in as humankind prepares to leave Earth and enter the Golden Age. Can you become the fabled Goldrunner in the battle for the Ring-Worlds of Triton? \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Goldrunner II

Fifty years ago, the first Goldrunner, a brave and bold warrior, defeated a powerful force of space pirates to save the world. The past five decades of life on the Ring-Worlds of Triton have altered the life of the human race. No longer a warrior, technology has made man a new fighter. But the robots that defend his home have been captured by pirates and turned against him. That's when the action begins. Fly your single-seated fighter to the platforms, outwit the pirates' defense system, and recover the robots. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Grand Prix Circuit

You do more than drive a car. Qualify in races against the clock, single races against nine computer drivers who have unique personalities and characteristics; and ultimately the World Driving Championship where they race on all eight tracks. \$24.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Graphic Adventure Collection

Three award-winning graphic adventures: Deja Vu, Uninvited, and Shadowgate. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Great Resort Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Muirfield Village (Dublin, OH); Mission Hills (Rancho Mirage, CA); Eagle Ridge (Galena, IL); Dorado Beach (Puerto Rico); Banff Springs Hotel Course (Canada). \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

## Greg Norman's Shark Attack! The Ultimate Golf Simulator

It's professional golf at it's best with Greg Norman. A state-of-the-art golf graphics better than ever seen before. Just a few of the many features: 3-D perspective, adjustable weather conditions, numerous game types. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## ◆ Guerilla In Bolivia

A strategic simulation with action sequences. The game is inspired by the diaries of Che Guevara. Leading a guerilla troop is a dangerous and demanding challenge. You must take on government troops and manage the daily survival of your followers. The simulation takes place across the whole of Bolivia, and you have six detailed maps as used by Che himself. You will have to deal with ambushes, clashes with militia, sort out the food and provisions for your men, train any new recruits,



and run a Guerilla campaign. You start with 15 fighting men, the core of Che Guevara's operational unit. \$45.00

*Cases Computer Simulations Ltd., 642 Lea Bridge Road, London, E10 6AP, England, (011) 4481-558-5274*

## Gun Shoot

Shoot 12 different criminals; but don't touch the civilians. Includes two-player mode and digitized sound. \$14.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Gunboat: River Combat Simulation

Twisted jungle rivers and tight-quarters combat combine for one-of-a-kind adventure in Gunboat: River Combat Simulation. Enter three sweltering combat zones; operate a U.S. Navy River Patrol Boat in over 20 missions; step into the abyss known as Riverine Operations; get a first-person perspective from four battle stations; open fire with authentic gunboat weaponry; experience explosive 3-D realism. \$49.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Gunship

Gunship, a combat helicopter simulation, puts the player at the controls of the world's finest attack helicopter, the U.S. Army's AH-64A Apache. The gunship arsenal boasts Hellfire and Sidewinder missiles, Folding Fin aerial rockets, and a 30mm cannon capable of firing 625 rounds per minute. To make the game challenging for novices and combat simulation experts, Gunship offers a variety of skill and reality levels, mission types, and specific mission objectives. \$54.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Guy Spy

Being the world's greatest counter-espionage agent, you, Guy Spy, have been chosen to carry out your government's most important orders—destroy the doomsday machine of the evil Von Max. You have very little to go on other than it is known that Von Max is currently located in Berlin and if you don't get there quickly he will surely be on his way to collect the fabled crystals that he needs to tap into an immense power source. Intelligence reports have linked Von Max to a terrorist group that would love to hold the world for ransom with the power locked in the crystals. Your orders are to stop Von Max at any cost...before it's too late. Features classical cartoon animation with full control over the animated characters. \$49.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## HOI

A challenging arcade adventure game. Seven channels of music. Find your way through five entertaining levels of jump and run, shoot and fly adventure. Pick up bonus points and strategically overcome lots of obstacles including moving cranes, bouncing spiders, flying airplanes, killer bees and much more. \$39.95

*InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266*

## Halls of Montezuma

The Battles history of the USMC. This is the battle history of Americas greatest fighting force tracing it's history from Mexico City to the savage street fighting of Huei Vietnam. The scenarios are Mexico City, Belleau Wood, Okinawa, Iwo Jima, Pusan, Inchon, and Hue. With special battle notes for each scenario. \$49.95

*Strategic Studies Group, 1747 Oleans Court, Walnut Creek, CA 94598, (415) 932-3019*

## HardBall II

Sports simulation. Sequel to HardBall!, the world's best selling computer baseball game. HardBall II allows you to make coaching decisions based upon players' game performances, as well as historical data. \$49.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Hare Raising Havoc

Our hero Roger is left in charge of Baby Herman by Mommy, but faster than you can say rubber baby buggy bumper, Baby Herman has disappeared!

Players will have to help Roger escape from a seemingly endless string of predicaments to bring Baby Herman back before Mommy returns home. Can Roger find Baby Herman in time? Has he been kidnapped? Why would any responsible parent leave their child with a cartoon rabbit? These questions and more are waiting to be answered in Hare Raising Havoc. \$49.95

*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360*

## Harley-Davidson: The Road to Sturgis

Jump on your HOG and hit the road to the biggest rally of the year in this adventure/driving combination. Compete in real Harley events, customize your bike, and party with the brothers as you improve your biker ranking. A few too many speeding tickets, blown tires, and bad decisions could leave you eating dust instead of burning rubber! \$39.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Harpoon

Harpoon is a contemporary naval wargame. It has 16-color, 640 x 200 medium resolution graphics and complete digitized sound. Also available is a Scenery Editor \$39.95 and two additional battle sets—North Atlantic Convoy and Mediterranean Sea \$29.95. \$59.95

*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Harpoon's BattleSet #2

BattleSet #2, North Atlantic Convoy provides Harpoon owners with 16 additional scenarios in the strategically important area of the North Atlantic. As the war continues, the early attrition on both land and sea is devastating. Without the ability to get men and material from the Americas to the European theaters of combat quickly and without excessive losses, NATO will lose the war and Russia will dominate the world. As the commander of NATO's North Atlantic Naval Task Force, you are called upon to determine how best to utilize the forces under your control to ensure replenishment of the European theaters. You make the decisions that determine who wins or loses World War III. \$29.95

*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Harpoon's BattleSet #3

The Med Conflict, focusing on the world's hottest confrontational geography in the winter of 1990, is the latest data disk from Three-Sixty for its Harpoon Simulation. It provides a fascinating view of the possible action behind the current international news headlines. Most of the scenarios focus on the region's smaller countries and their potential conflicts, not those of the super powers. Features include 16 scenarios, 60 new platforms, including hydrofoils, helicopter cruisers, German type 209 submarines, and a variety of small combatants. \$29.95

*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Harrier Combat Simulator

Strap yourself into the most sophisticated and deadly close-range combat aircraft of today—the Harrier jump jet. Fly this ultra-realistic plane to destroy the enemy headquarters 500 miles away. You'll need all of your skills to conquer enemy air and ground forces in this exciting flight simulator/combat game. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Harrier Mission

Land on a carrier, hover, and evade missiles. Shoot the enemy down with a heat-seeking missile or gunnery skills. Avoid being shot and make sure you've got enough fuel to return to the carrier. \$24.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Hawaiian Odyssey Scenery Adventure

Explore a tropical paradise with Hawaiian Odyssey. This enhancement disk can be used with all subLOGIC flight simulation products. Hawaii's natural beauty makes it the perfect area for both

visual flight sightseeing and VFR or IFR cross-country navigation. Hawaiian Odyssey also offers the very first structured subLOGIC scenery adventure. Locating the secret jewel of the goddess Pele from the cockpit of your aircraft isn't as simple as spotting an object from a distance and then flying toward it; you must find and follow an intricate set of clues scattered around the Hawaiian Islands that will guide you to your goal. 'Hawaiian Odyssey' is an add-on disk designed to expand the flying environment of all subLOGIC integrated flight line products. You must have a subLOGIC flight simulation program in order to use this disk. \$29.95

*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983*

## Heart of the Dragon

Dare to enter a world of magic and mystery brought to life in 4096 colors. Heart of the Dragon is a fantasy/arcade adventure featuring full character interactions, puzzles & features along with arcade-style excitement. Over 6MB of photorealistic graphics and 4,096-color HAM mode adventure screens make this title an Amiga show-piece! Game features both one- and two-player (cooperative) action, and a computer demo mode. Stunning music and sound effects round out the package. Hard disk installable, AmigaDOS release 2.0-compatible. \$49.95

*Avatar Consulting, order from Digital Wizards, 2727 Camino Del Rio South Ste. 340, San Diego, CA 92108, (619) 260-1100*

## Heat Wave

Offshore superboat racing simulation. Experience the speed and danger of real offshore racing in a 600 HP superboat. Actual races set in Miami, along the Mississippi, Biscayne Bay, and Ft. Lauderdale. \$29.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Heavy Metal Modern Land Combat

A sophisticated war simulation game that combines the best elements of simulated arcade action and strategy. Each player starts out as a second lieutenant and is able to move up through the ranks based on field performance. \$44.95

*Access Software, Inc., 545 West 500 South Ste. 130, Bountiful, UT 84010, (800) 800-4880*

## Highway Patrol II

Summer 1989 on a hot day. You are parked on the side of an interstate in Arizona with the air conditioning on high. From the radio comes an APB, 'alert to all units, a fugitive killer has escaped and is driving eastbound on Interstate 10 towards the state line. Use caution.' Highway Patrol II gives you full simulator power. You control the sliding car, U-turns, tail-spins. Watch out for flat tires and empty fuel tanks. You will have to drive very fast and to catch the villains you may leave the road and drive through the desert, but the use of your compass and your map is mandatory. \$44.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Hits

Four disk games for the price of one, with color and sound from the original. Games include Goldrunner, Slaygon, Jupiter Probe, and Karate Kid Part II. \$34.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Hockey League Simulator

Become coach and general manager of your own hockey league. From first draft through the Stanley Cup playoffs, you make the key decisions. The HLS provides sophisticated, but easy-to-use tools for designing league statistics, including overall standings, leading defensesmen, and team power play results, to name just a few. \$39.95

*Media Technology Limited, 15235 Shady Grove Road, Ste. 100, Rockville, MD 20850, (301) 926-8300*

## Hole-in-One Miniature Golf

From classic holes to the bizarre, DigiTek Software's Hole-in-One Miniature Golf uses the ease of a special mouse-interface (point and click) to provide fun and excitement for all ages, with as many as four players at once. This two-disk set comes complete with four 18-hole courses and a tutorial course for a total of 90 exciting holes. From the traditional windmill to the inside of a pinball machine. Features multitasking, installable on hard drive, VDO.,

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in RAM. Scorecard printout on any Amiga compatible printer. Extra course disks available. Various holes can be viewed from different perspectives. \$39.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Hole-in-one Miniature Golf

### Extra Course Disk #3

The additional course disk for Hole-in-One Miniature Golf comes with three more breathtaking courses that give you a total of 54 more exciting holes. Fight gravity, magnetism and disappearances in the holes of Out of This World; enjoy the visually stunning and amazingly realistic holes in Holidays, a journey through holidays of the year; and have fun with the hilarious and educational holes in Alphabet Soup. \$19.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## ◆ Home Alone

Set on the mega-hit movie, Home Alone puts you in the role of eight-year-old Kevin, trying to foil the break-in of two inept burglars. In this two-phase action game, first you must rush throughout the house, creating traps and pitfalls; then you must lure the burglars into a wacky chase through your clever contraptions as you protect your home—alone. Comic twists and infinite variations, plus digitized pictures and sounds from the movie will make Home Alone the computer game, a family favorite. Available November 1991. \$39.95  
*Capstone, 14202 SW 136th Street, Miami, FL 33186, (305) 252-9040*

## Hostage

Control a six-person strike team assigned to rescue embassy hostages being held by terrorists in this action/strategy game. Change perspectives instantly with a unique interface. Quick thinking determines which rescuer to maneuver. TV-news quality graphics and easy-to-use controls create an ultra-realistic experience. \$44.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## ◆ HoverForce

Set in the genetically engineered future of 2050, HoverForce pits players against Alterants—a deadly and powerful new class of biotechnically-created crime lords. These mutant gangsters traffic in 'Aftershock,' a dangerous new substance more addictive than any known drug. To combat this new race of super-criminal, public officials have created an elite class of genetically enhanced public enforcers known as the Red Wasp Unit, and trained them in the use of the Hoversled 1000—an electrifying flying arsenal with such unimaginable speed, power, and maneuverability that it's no surprise the Alterants too use the craft. You manage the fire-power, study the maps, then blast mutants and agile spider mines at the speed of thought. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Hoyle's Book of Games Volume 2: Solitaire

A true card player's delight, with 28 different solitaire games in one easy-to-play package, the game can be played with mouse, keyboard or joystick. Play familiar favorites like Klondike, Canfield, and Pyramid, to lesser known games such as Eliminator, with easy and hard variations on each game. Requires 1 MB. \$34.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Hoyle's Book Of Games™ Volume One

Learn and practice six popular card games, from Gin Rummy and Old Maid to Hearts, Cribbage, and Klondike Solitaire. Sierra's high-resolution graphics add to your game enjoyment. You'll enjoy using the highly detailed and realistic playing cards as you test your skills against 18 opposing players, including many Sierra game characters. Play Hearts with King Quest IV's King Graham or Gin Rummy with Princess Rosella, or Crazy 8's with Roger Wilco, hero of the Space Quest games. Or challenge yourself with a game of Klondike Solitaire. It's a point-and-click interface, or you can play it with arrow keys, so any small child can get the hang of it! Requires 1 MB. Will be available for CDTV. \$34.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Impossible Mission II

You must stop the return of Elvin—a scheming madman seeking to take over the world in the 25th century. Search through eight levels of difficulty for secret codes that will save the world. \$29.95  
*EPYX, 500 Allerton Street, Redwood City, CA 94063, (415) 368-3200*

## Indiana Jones and the Temple of Doom

Fight off Thuggee henchmen, cobras, and bats as you attempt to free the imprisoned children in this popular arcade game. Then prepare for a desperate ride on a mine railway, and a battle inside the temple itself. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Indiana Jones™ And The Last Crusade – The Action Game

You lash snakes around the gargoyle. As the Nazi searchlight sweeps upward, you swing to the tower window. It takes two-fisted courage and whip-quick reflexes to get Indy past murderous grave robbers, fanatical Nazis, and medieval mantraps in this classic arcade action game. Whip, punch, and dash your way through four levels to score high in excitement. Plenty of non-stop action. \$39.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## Indiana Jones™ And The Last Crusade – The Graphic Adventure

Join Dr. Indiana Jones on challenging new adventures in his daring quest for The Holy Grail. Try to surpass Indy himself in courage and cunning, and build your I.Q. (Indy Quotient) score. An exciting battle of wits with stunning 3-D graphics, sound effects, and movie theme music. \$49.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## ◆ Indianapolis 500: The Simulation

Players compete against 32 other cars in races ranging from 10 laps to the full 200 lap race. You can also practice before the race and then enter the qualifying rounds to try for the Pole position. Eight different systems on the car can be adjusted and saved to disk for later use, including shock settings, wing angles, and tire selection. Accidents on the course create spectacular special effects and can be viewed from multiple angles using Instant Replay. Create and save up to three custom cars or join one of three teams. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Indoor Sports

Turn your computer into an electronic game room, with versions of bowling, darts, air hockey, and ping-pong. Play against the computer or against a friend. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Infestation

Infestation takes computer games to a new level of realism by creating a complete environment stunningly rendered in super-fast 3-D vector graphics. Through a first-person heads-up point of view, you are completely free to move within the game world, examining and manipulating objects just as you would in a real world. The player takes over the role of Kal Solar, agent for the Interplanetary Federation, whose mission is to eliminate the threat of hostile life-forms at station Alpha II. The player is equipped with a sophisticated pressurized body suit complete with a helmet, oxygen pack, battery pack, and cartridge plus rifle which provides more than just protection. Station Alpha II's layout requires extensive exploration of over three levels of stunning 3-D graphics. As Solar, you must battle your way through shafts, lifts, ventilation tunnels, radiation areas, network terminals, and blast doors to accomplish your mission. \$39.95  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Insanity Fight

Battle in space against the evil Death Ship. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## International Soccer

Options for playing soccer put the control in your hands. You determine the challenge, and you call the shots! Control the weather: wet and slippery or

the more predictable dry. Try a night game with shadows, or select a game in the wind. Choose midfield players and outfit them in colors of your choice. Half and full time score is displayed on the electronic scoreboard. Fans cheer you on to the World Cup, and onscreen referees ensure fair play. \$19.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Iron Lord

In Iron Lord, you embody a noble knight whose uncle has seized the throne and killed your father the king. It's up to you to overthrow him and recover your birthright. Recruit an army by traveling around to villages and performing services for the local people. Win money in the various contests: arm wrestling, archery, dice, and more. Survive this and you will face your uncle and horrific monsters in an exciting labyrinth section. There's even the world's first 3-D sword-fighting simulation. Numerous subgames mean that you'll never reach a dead end, making this game ideal for beginners and experts alike. \$39.95

*UBI Soft, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## JUG

You are an interactive humanoid composed of titanium fleximetal and other organic materials. First built in 36412 AD, you were nicknamed JUG because of your barrel-chested profile and the ability to transform into many different shapes. Your duty is to seek out the deadly tumor that is destroying the planet Spireaus. Trap doors enable you to move up or down a level. The planet's immune system will see JUG as a hostile and alien body. Beware of attacks from the very planet you are trying to rescue. \$19.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Jack Nicklaus Presents

### The Major Championship Courses of 1989

Jack Nicklaus Presents The Major Championship Courses of 1989, is the second in a series of golf simulations created in association with Jack Nicklaus Productions. It is an add-on accessory disk exclusively for use with Jack Nicklaus' Greatest 18 Holes of Major Championship Golf and contains simulations of the host courses of this year's U.S. Open, PGA and British Open Championships. With this new add-on accessory disk, computer golfers are provided with simulations of three distinguished courses of this year's championships including Oak Hill, Kemper Lakes, and Royal Troon. Each of the three courses will provide computer golfers with distinct scenery and challenges where they can compete like the pros did during this year's Majors, and perhaps beat the score of the winners. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Jack Nicklaus Presents

### The Great Championship Courses of 1990

Exclusively for use with Jack Nicklaus' Unlimited Golf & Course Design and Jack Nicklaus' Greatest 18 Holes of Major Championship Golf, this add-on course disk contains the grand slam course of 1990 including Medinah Country Club in Illinois, Shoal Creek in Alabama and St. Andrews in Scotland. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Jack Nicklaus Presents

### The Great Courses of the U.S. Open

Number four in a series of add-on course disks exclusively for use with Jack Nicklaus' Unlimited Golf & Course Design and Jack Nicklaus' Greatest 18 Holes of Major Championship Golf. The new course disk contains three of the most challenging and popular courses to ever host the U.S. Open including Pebble Beach Golf Links, Oakmont Country Club, and Baltusrol Golf Club. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## ◆ Jack Nicklaus Presents

### The Major Championship Courses of 1991

This is the fifth in a series of add-on course disks exclusively for use with Jack Nicklaus' Greatest 18 Holes of Major Championship Golf and Nicklaus' Unlimited Golf & Course Design. It contains simu-

lations of the host grand slam courses of this year's U.S. Open, Hazeltine National Golf Club; British Open, Royal Birkdale Golf Club; and PGA Championship, Crooked Stick Golf Club. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

♦ **Jack Nicklaus' Course Designers Clip Art v1**  
 Contains more than 70 finished course objects, three new land plots and nine new scenic backgrounds for creating beautiful and challenging courses applicable to any climate. The Clip Art disk also adds a bonus 18-hole championship course, Desert Highlands Golf Club in Arizona, to the collection of add-on courses for Jack Nicklaus' Unlimited Golf & Course Design. The disk includes a selection of land plots representing three different geographic locales—a seaside vista, lush parkland, and a stark desert atmosphere, each with its own distinctive background which can be exchanged with up to six additional scenic horizons for a total tailored look. A wide collection of finished objects such as trees, cacti, rocks, and animals as well as golf carts, clubhouse, fountains—even a ball washer—helps course architects add the perfect finishing touches to their designs. \$24.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

**Jack Nicklaus' Unlimited Golf & Course Design**  
 This newest computer golf simulation contains all the realistic elements of championship play as well as all the tools needed to easily design challenging and visually stunning holes and courses. Included within this simulation is The Bear's Track, an oceanfront 18-hole course designed by Jack Nicklaus and his team exclusively for this new product, and a recreation of Muirfield Village, another course designed by Jack Nicklaus and site of The Memorial Tournament. Among the features included are Instant Replay, Reverse Angle Replay, and an optional Break Grid that can be played over the green for easier interpretation of the break. Using Jack Nicklaus' Course Design, computer golfers can build their own championship layouts or re-create favorite holes they have seen or played. \$59.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

**Jack Nicklaus' Greatest 18 Holes of Golf**  
 Players play against a computerized Jack Nicklaus on 18 of his favorite holes or try their hand at two original Nicklaus-designed courses. Play with four people or a variety of computerized men and women. Skins scoring or stroke play; pro, men's or ladies' tees; wind intensity and direction; uphill; downhill. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

**Jack Nicklaus' International Courses**  
 Three international courses to be played with Jack Nicklaus' Greatest 18 Holes of Major Championship Golf, offering computer golfers a fantasy vacation overseas with the opportunity to play on precise simulations of three championship courses designed by Jack Nicklaus in Australia, Japan, and England. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

**James Bond: The Stealth Affair**  
 A graphic adventure game in which the player takes the role of James Bond and must find the missing Stealth Bomber. \$54.95  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 549-9001*

**James Clavell's Shogun**  
 As John Blackthorne, the charismatic lead character in James Clavell's novel, the player enters the 16th century. Blackthorne, an English sea pilot, has embarked on an uncharted route to Japan. Upon reaching land, he is thrust into the upper echelons of feudal Japan society at the moment a political power struggle is erupting between two Japanese regents who aspire to be Shogun. While adapting to this exotic culture, the player befriends one of the regents, Toranaga, and falls in love with the lovely court translator, Mariko. The action of the story revolves around powerful political forces which influence and ultimately control the player's life and the lives of Toranaga and Mariko. Shogun catapults players into a world rich in Japanese history and culture. Shogun's graphics are in tradi-

tional, 16th-century Japanese style and are used as text borders and story illustrations. Rewards are given for solved puzzles and successfully handled situations. \$19.95  
*Infocom, 4600 Bohannon Drive, Menlo Park, CA 94025, (415) 329-0800*

**Japan Scenery Disk**  
 For subLOGIC flight simulation products. Covers detailed scenery from Tokyo to Osaka. Delightful international adventure. \$24.95  
*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983*

**Jigsaw Puzzlemania**  
 Every puzzle is cut into authentic jigsaw shapes. Ideal for all age groups, each puzzle can be played in six different sizes ranging from 4x4 to a challenging 12x12 (144 pieces). Players are timed and wrong moves result in a penalty. Comes with over 10 puzzles and the ability to accept the user's graphics, allowing the creation of personalized puzzles. \$29.95  
*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

**Jigsaw! The Ultimate Electronic Puzzle**  
 Jigsaw! features dazzling, colorful pictures that are a treat to behold. Choose from four levels of difficulty: 60 pieces—the ultimate challenge; 40 pieces—the standard level; 15 pieces—a great level for kids or for anyone who wants to get acquainted with the program or 8 pieces—easiest level, great for children ages 10 and under. \$39.95  
*Britannica Software, 345 Fourth Street, San Francisco, CA 94107, (800) 572-2272*

**Joan of Arc: Siege & The Sword**  
 Joan of Arc: Siege & The Sword offers five exciting action sequences, including large-scale battles in open countryside, hand to hand struggles with individual English soldiers, and perilous assaults on soaring fortress walls as boulders and scalding oil rain down. This history-based game blends action and strategy with a rich storyline. The player takes the role of Charles VII and can raise armies, collect taxes, ransom prisoners, and send out spies. Up to 20 game options are possible at every turn! Seventy-three authentic provinces and towns, and 31 historically-based characters, each with different strengths and weaknesses, add to the challenge. \$44.95  
*Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263*

**Jockey Competition**  
 The Jockey Competition Module involves you in a tough tournament and carrier battle as you pit your skills as a jockey against 14 other computer jockey opponents. Plot strategies and develop your career as you select exactly which thoroughbreds to ride to victory. This module provides detailed records and ever-changing stats. It also turns on existing code within all Track Modules to now allow you to actually control the horse you're riding in each race. Existing Tracks 1 and 2 allow this action through joystick or keyboard control while displaying side and overhead views. \$14.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

**Joe Blade**  
 Rescue six world leaders being held hostage by the leader of an infamous group of terrorists, Crax Bloodfinger. Joe Blade must fight the perils of danger, disarm six bombs before they explode, collect keys to cells, ammo, and food. Great color graphics. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

**Journey**  
 Journey is a graphically-illustrated world of dwarfs, elves, nymphs, and wizards in a despairing village that has been enduring great suffering for five years. When all hope begins to fade, a party is sent out on a quest for the revered wisdom of a great wizard, Astrix. As an apprentice food merchant, the player accompanies the party and keeps a diary of their journey. The player shares in the magical adventures of Tag, Praxix, Bergon, Esher, and Minar as they solve puzzles, overcome obstacles, and explore unknown lands. Journey players pass into the adventure with ease by simply selecting commands from a menu. Since each character can act on

his own, he must play the part of a combat strategist, physician, magician, and character judge—all while pursuing the defeat of evil which has infested the land. \$29.95  
*Infocom, 4600 Bohannon Drive, Menlo Park, CA 94025, (415) 329-0800*

**KNIGHT FORCE**  
 The kingdom of Belloth is the crossroad of time and space, with each gate being the entrance to the past and the future times. Princess Tanya has been seized by the sorcerer, Red Sabbath. You will travel through time to collect the magic amulets to be able to fight Red Sabbath and his clones. Your enemies are the guards of the sorcerer who resides in the magic castle. Game played over five time zones, including prehistoric, medieval, and present day. Outstanding backdrops, realistic graphics, and animation including: castles, caverns, urchins, skeletons, and other mystical creatures. \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

**Kampfgruppe**  
 Tactical WWII game featuring all the weapons used on the Russian Front from 1941-1945. \$59.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almaden Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

**Karate Kid Part II**  
 One or two players, joystick or keyboard option, sound and graphics. You must discover the secret of the drum or die! Catch flies with chopsticks and break ice with your bare hand in full size with animated graphic screens. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

**Keef The Thief**  
 Keef the Thief is a unique role-playing experience that mixes humor with action in an adventure that includes dramatic combat, multi-level spells, and puzzles to solve at every step. And your goal is a simple one: become the absolute ruler of everything and everyone! In Keef the Thief, you're young Keef, a juvenile delinquent out on your own for the first time. You're faced with survival in the Tri-City Area: a vermin-infested continent tangled with thick, steamy jungles. If things aren't bad enough, rumor has it that a supremely evil magician is trying to create the magic necessary to rule the continent. Since you have delusions of grandeur, you set out to beat him to it. Amusing narratives accompany you as you explore the more than 25 complete levels, which are inhabited by over 200 species of drooling monsters that think that thief meat is sweet. \$19.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

**Keith Van Eron's Pro Soccer**  
 Keith Van Eron, goalkeeper for the outdoor soccer powerhouse Dallas Tornado and a living MISL legend, played every game of his career on the edge. Keith Van Eron's Pro Soccer gives you the same chance. Featuring a unique, 3-D view of the action and players that not only kick the ball, but dive, slide, and jump in the air after it, Keith Van Eron's Pro Soccer will provide endless hours of fun, whether you're playing a solitary game, or challenging a group of friends to a World Cup Tournament or grueling MISL season-long schedule. Soccer playing tips (complete with photographs) are provided in the manual. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

♦ **Killing Cloud**  
 Players assume the role of a high-flying San Francisco police officer in the year 1997. The Killing Cloud, a 100-foot thick mass of pollution, covers the earth. One breath of its fumes is fatal. The player must transport survivors to safety above the cloud in a XB500 hoverbike. Crime is rampant as all the old street gangs unite to form the Black Angels. The ultimate mission is to gain information on the Black Angels, break the stronghold they have on the city, and uncover the sinister mystery of the cloud. \$49.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

**King's Bounty**  
 Taking the part of a legendary hero/heroine, you will explore four unique continents, raise vast armies, and siege dozens of castles. You will be

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pitting yourself against a variety of evil villains while you try to recover the Kings stolen Scepter Of Power. Fantastic graphics, the ability to save at any time, and transparent interface make this an easy-to-play, fun, and challenging game. \$49.95  
*New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364, (800) 245-4525*

## King's Quest I

Remember how much fun you had playing your first adventure game? Sierra is out to revive those memories with its re-release of King's Quest I. Every background picture and animation cel has been completely redesigned and redrawn, and all text rewritten to tell the game's story as vividly as possible. The addition of a fully orchestrated soundtrack has been added to enhance the gaming experience. Take on the role of brave Sir Graham, in a quest to restore three magical treasures to the land of Daventry. Outwit a troll, duck a thief, defeat a leprechaun—get all the same fun of the old game including mind-bending puzzles. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## King's Quest V

Fans of the series will be happy to note the return of King Graham of Daventry, hero of two previous King's Quest games. In a sudden turn from his serene and untroubled life in the peaceful kingdom of Daventry, Graham must once again don his adventurer's cap to rescue his queen and his son and daughter, who have been kidnapped by the evil and powerful magician, Mordack. With the help of a kindly old wizard and a talking owl, Graham journeys to far lands on the most exciting and perilous quest of his life. Available June 1991. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## King's Quest II: Romancing the Throne

Join King Graham on a search for three magic keys to an enchanted land. Fly on a magic carpet, meet King Neptune and Dracula, and rescue the woman of King Graham's dreams. \$49.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## King's Quest III: To Heir Is Human

Help Gwydion break free of an evil wizard. Meet merry sailors, Medusa, and the Abominable Snowman. New self-mapped system keeps track of where you've been. \$49.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## King's Quest IV: The Perils of Rosella

King's Quest IV will be the first computer game to exploit the new higher graphics resolution of today's machines. A virtual army of artists, musicians, and programmers have combined their talents to make King's Quest IV a truly incredible experience. Requires 1 MB. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Knights of Legend

Interact with hundreds of colorful residents in Ashtalarea. Undertake 24 different quests and face a wide variety of terrifying foes. Design the weapons and spells that you will use to defeat your challengers. The first fantasy role-playing game to offer a modular design. Over 300 bit-mapped pictures, including 100 character portraits, 90 towns, hamlets and shop illustrations, and 32 monster illustrations. Create up to six characters and customize weapons and armor, a possible 729 combinations. \$49.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## ◆ Knights of the Crystallion

The Knights of the Crystallion takes players to Orodrir, a city hollowed out from the skeletal remains of a gargantuan beast in whose massive skull waits the Crystallion, a mystical, crystal horse of uncommon beauty, strength and intelligence. Players who excel at five separate quests are given the means to hatch the Crystallion from its crystal egg, harness its powers, and join the ranks of The Knights of the Crystallion, whose honor it is to lead the great city. Each of the five quests is designed to

help the player become more in tune with the culture of Orodrir, a society rich in music, art, poetry, politics, and religion. \$59.95  
*U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

## L.E.D. Storm

Enter the world of L.E.D. Storm, a world like no other. If you're looking for a yellow brick road, dream on. This is a land of evil robots, rabid wolves, dark tunnels, cars packed with TNT, narrow roads, and deep drop-offs. Test yourself and your nerve through nine challenging stages of realism, on a roadway elevated high above the ground. Synthesized music heightens the drama and the excitement. Pick up energy boosters along the way for extra fuel and to shield you from enemy attack. Don't bother to check the weather map. Dark clouds and storms are moving in fast. \$39.95  
*Capcom, U.S.A., 3303 Scott Blvd., Santa Clara, CA 95054, (408) 727-0400*

## Last Duel

Journey light years away, if you dare, to two warring planets. Double trouble on a grand cosmic scale. The worlds are anticipating your arrival. Their fate is totally in your hands. Save the queen. Crush the Galden uprising and return control of the planet to its peace-loving inhabitants. The fighting will be fierce, deadly, incredibly fast, and furious. You may not survive. Accept this assignment only at extreme risk. Fight your way through six increasingly challenging levels of confrontations. Attack three-headed monsters and aliens with ultra-powerful laser weapons. Blast your way through a mad maze of intrigue, Galden's Route, a black hole where nothing escapes. An extraterrestrial S.O.S. has reached Earth. Will you respond? \$39.95  
*Capcom, U.S.A., 3303 Scott Blvd., Santa Clara, CA 95054, (408) 727-0400*

## Leader Board

Golf game simulation with four irons and a driving range for practice. \$44.99  
*Access Software, Inc., 545 West 500 South Ste. 130, Bountiful, UT 84010, (800) 800-4880*

## ◆ Leander

In Leander, you are the handsome hero and savior of princesses. Travel across three danger-fraught worlds, fighting powerful enemies, and finding and using spells, potions, and weapons to your advantage to save Princess Lucanna. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Leatherneck

Storm the beach to rescue your buddies held captive behind enemy lines. Combat arcade game. One to four players. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Legend of Faergihail

Leading a small band of adventurers through the wilderness, you keep a sharp eye out for the blood-thirsty Skyrri-dragons, orcs and werewolves that inhabit the dark forests. You search for the shadow of death that's been cast across the land, but haven't realized the incredible danger until now. Encounter 80 unique and intelligent enemies; explore eight dungeons with more than 1,000 separate rooms and chambers; select or learn from 12 different trades; gain and use specific abilities with negotiating, attack, defense, concentration, etc.; use 31 magical spells, 25 illusionist spells, and much more! \$39.95  
*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

## Leisure Suit Larry II: Looking for Love in Several Wrong Places

Jump on board with the hilarious Larry Laffer as he makes a play for the girl of his dreams. Adult humor. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Leisure Suit Larry III: Passionate Patti in Pursuit of the Pulsating Pectorals

In the third Larry game, Larry's pursuing Passionate Patti, but his luck with women is running as usual. This is the first Sierra adventure ever to allow players to switch roles in mid-game. From Larry,

looking for his self-esteem, to the lovely Passionate Patti, who's on a quest for the man that got away. Requires 1MB memory. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Leisure Suit Larry in the Land of the Lounge Lizards

Spend a memorable evening on the town with Leisure Suit Larry. Romp through singles bars, hot tubs, mean streets, and a blind date nightmare. Communicate in full sentences with 3-D animated characters. 900-word dictionary. Adult humor. \$39.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Lemmings

Lemmings establishes a brand new category of game for the Amiga. You've never seen anything like it! Hordes of tiny characters that you have to guide through many levels of obstacles and adventures building bridges, digging tunnels, climbing mountains, parachuting to safety. Get them on their way through each level as quickly as you can, or they start to inundate you and happily proceed to their own oblivion. Each level requires you to construct increasingly complex routes to save as many Lemmings as you can. Lemmings features tiny, incredibly-detailed and expressively-animated characters (up to 100 Lemmings on the screen at once), one-player or split screen two-player action, 100 mind-blowing increasingly difficult playing levels, and some of the most entertaining game playing music you'll ever hear. This one is going to be a classic! See CDTV section also. \$49.99  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Les Manley In: Search for the King

This new 3-D Animated Graphic Adventure introduces players to 33-year-old Les Manley, a meager but well-meaning video technician who stands to improve his status, his bank account and his love life if he is the first to find The King, the world's greatest and most elusive entertainer. Les is a lowly employee of WILL, the lowest rated television network in New York. In order to raise its rating, WILL is sponsoring a contest whereby it will award \$1 million to anyone who can find The King, wherever he may be. Whoever can discover the location of this international star (he has a fan following in the multi-millions) will be rewarded with a fortune and for Les, adoration from Stella. \$59.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Life And Death

You are the surgeon! Talk with your patient, read charts, order x-rays, ultrasound, blood tests, and other lab work. Make decisions that determine whether your patient lives or dies. In the operating room, your skill with the scalpel while monitoring on-screen EKG, pulse, blood pressure, and other vital signs will determine whether your patient goes to recovery... or the morgue! \$49.95  
*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Light Division

Two can play modern warfare in the Straits of Hormuz. Battalion level combat between U.S. and Russian/Iranian forces. Paratroopers, helicopters, backfire bombers, and the Battleship New Jersey are involved. Designed by Joe Balkoski, award-winning game designer. \$40.00  
*3W Computer Games, Inc., P. O. Box F, Cambria, CA 09342, (805) 927-5439*

## ◆ Loom

Loom is set in the Age of Great Guilds, a mythical time when Shepherds, Blacksmiths, and Glassmakers ruled the world. Its hero is Bobbin, a young member of the mysterious Guild of Weavers, who finds himself playing the pivotal role in a mighty conflict between good and evil. Bobbin finds a distaff, the Weavers' magic wand, which is the key to Loom's unique interface. Divided into eight segments, each related to a musical note, the distaff both detects and weaves magical spells. For example, Bobbin encounters a flock of owls in a dark forest. The hooting of the owls is a musical sequence that triggers four notes on the distaff. When Bobbin repeats the four notes, he is able to see in the dark. \$59.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## Loopz

The most addictive game ever! It's very simple: you get pieces of different sizes and shapes. Then you put them together to form Loopz. You can move the pieces around the playfield and rotate them. The more complex the loop, the more points you score. It's so simple, in fact, most people can easily finish their first session in about five or ten hours!

*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Lords of War

Lords of War is an arcade-style game for single or multiple players. Defend your castle against your three adversaries and reflect their attempts to pierce your castle wall and reach your inner sanctum while at the same time trying to do the same to your opponents and disgrace their honor. If you can destroy all your enemies, then move onto the next conquest; die and be disgraced forever (or at least till the next game). Along the way you can gain magical powers to help in your fight. Each level changes and new obstacles come along to block your attacks. Take too much time and doomsday will occur. Based on a classic arcade game but updated for the Amiga, Lords of War features a large scrolling battle area, fully enhanced graphics, and digitized sound. Distributed by Mainstream America. \$39.95

*Digital Concepts, 43035 Hayes Road, Ste. 229, Sterling Heights, MI 48078*

## Lost Patrol

Dateline: June 7, 1966. Following a peaceful stint of rest and recreation in Saigon, a chopper carrying six G.I. grunts and a Staff Sergeant crashes in the rugged central highlands of Vietnam. The seven soldiers face a nightmare trek across 57 miles of harsh terrain, infested with booby traps and enemy forces. With little food and less ammunition, their chances of reaching a safe haven are less than slim. So you have to ask yourself: Are you a survivor? As Sgt. Weaver, your mission is to lead the men to safety. You are in command. \$49.95

*Ocean Software Ltd., Distributed by Electronic Arts, 1855 O'Toole Ave., Ste. D-102, San Jose, CA 95131, (800) 245-4525*

## Lunar Rescue

Arcade action in an outer space adventure! All your wits and skills will be challenged in this race to rescue the crew of Apollo 19, stranded on the moon during a surveying mission. Digitized NASA footage provides realism. Cinematic cut-scenes create suspense. A space Database teaches you important facts about space and our solar system using animated graphics, sound effects, and huge scrolling lunar landscapes. \$39.99

*Odyssey Software, P.O. Box 367, N. Eastham, MA 02651, (508) 240-2317*

## M1 Tank Platoon

U.S. tank platoons have four M1's. Four soldiers operate each. That's four tanks, 16 men. And you control the whole shooting match. The fun of a four tank platoon in one great game. \$69.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## MEAN 18

Golf simulation on three famous courses, plus one home course. Course Architect lets you design or modify an entire course. \$44.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Magic Fly

Magic Fly is set in the distant future where spacecraft chillingly resemble modern-day invertebrates, such as the Centipedes, Tarantulas, and Scorpions. The player takes the role of a member of Magic Fly Squadron, part of an elite force policing the edges of the known Universe. Features 3-D solid vector graphics, with over 30 different alien craft to overcome in combat. Over 10 formidable weapons at your disposal, such as Limpet Mines, three types of lasers, and the Atomic Sledgehammer. \$39.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Magic MVP Johnson

Basketball the way the pros play. Arcade action brings the realism of the big time game home to you in this direct translation of the popular coin-op arcade game. Make the jump shot and of course

Magic's fast break with a slam dunk finish. Dribble around your opponent to make the lay up that wins the game! Features arcade quality animated graphics and characters, full-court scrolling screen, two-on-two play, and full stats. \$49.99

*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Major Motion

Race and battle against the dragsters, the Draconian League, in this fast-paced driving game. Watch out for helicopters and motorcycles. Joystick recommended. \$19.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Manhunter: New York

Two years after an invasion, you are forced to hunt down and report human activities to an evil alien takeover or choose to be a supporter of the human underground. Includes New York City map, split-screen viewing. \$49.99

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Manhunter: San Francisco

A plague of terrifying Orbs has overrun San Francisco, spreading horror, tyranny, and death. You are their pawn—a manhunter. Hunt your own kind for the alien masters in this thrilling and horrifying adventure game. Risk your life by turning against the Orbs to work for the cause to free humanity. \$49.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Maniac Mansion

A hidden panel opens and out falls a tape cassette. This might be the clue that frees Sandy from Dr. Ed's lunatic lobotomy lab! There are 450 entertaining objects to discover in this madcap adventure through the 50 detailed rooms, zany adversaries, and off-beat humor of the Maniac Mansion. No typing—just non-stop point and click fun with your rescue team of colorful characters. \$44.95

*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## Matrix Marauders

A 3-D arcade game set in a futuristic time/matter grid race course. As you hurtle through the complex maze of tunnels, you must negotiate tortuous twists and turns in order to keep ahead of the competition. The deadly track is linked by a series of pit grids littered with numerous bonuses including speed-amplification modules and fuel which must be collected to ensure your survival. Play against another player on a separate computer with the optional two-player head-to-head link via serial port. Matrix Marauders features digitized audio-navigational aid and dedicated weapon-selection feature. \$39.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Mean Streets

An interactive detective movie. It's the year 2033. Your name is Tex Murphy, private investigator in San Francisco. You've been hired by the beautiful daughter of a university professor to uncover the facts about her father's death. Interact with more than 27 characters which animate, respond to questions, bribes, and threats. \$49.95

*Access Software, Inc., 545 West 500 South Ste. 130, Bountiful, UT 84010, (800) 800-4880*

## Medieval Warriors

Art thou a mighty warrior or a base knave? Put thy military skills to the test with this challenging medieval battle strategy game. Each army is comprised of 12 animated warriors which move and fight upon thy command with bow, knife, axe, and sword. Thou may pit thy military skills against those of thy computer or, if it is thy preference, play against another human player, either on a single computer or over thy telephone with two computers equipped with modems. \$49.95

*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Merlin

An apprenticeship in the OldWay/shamanic tradition. Your journey begins in the Underworld where three nice ladies will help you burn away fear and hatred, and increase joy, love, and responsibility in your life. The journey is long and difficult, and at

the end, the old women and Merlin will take you to the top of a great mountain. There, in the early morning light, you will become aware of all that you have always been. \$29.95

*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

## Midwinter

You must protect the Midwinter Isle, the last habitable oasis on earth. Controlling up to 32 characters, you must defend an immense playing area of over 160,000 square miles. You can ski, hang glide, snow buggy, or travel by cable car across stunning glacial landscape, shooting, sniping, and sabotaging the intruders. Featuring a unique, 3-D fully light-sourced graphics system and unprecedented action sequences, Midwinter will keep you locked in the Ice Age for a long, long time. \$39.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Might and Magic II: Gates to Another World

Embark on a glorious journey to save the world of Cron. Test your ingenuity with over 250 animated monsters. Ninety-six spells, more than 250 weapons and items, two new character-classes, hirelings, and 15 secondary skills will aid your cause. Detailed 3-D color windows, excellent graphics, and animated monsters add to the excitement. \$19.95

*New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364, (800) 245-4525*

## ◆ Might and Magic III: Isles of Terra

In the Might and Magic tradition, explore the incredible islands of Terra. Journey to the deepest cavern, discover the secrets hidden deep within dungeon walls, and wander beyond the beaten path across terrain ranging from deserts to swamplands. Battle against bloodthirsty monsters as you seek to fulfill the quests of Kings and ghostly Sorcerers. The tools you will use to reach your ultimate destiny are your mind, might, and magic. \$59.95

*New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364, (800) 245-4525*

## Mighty Nerd

Try this fast-paced action packed game. The user provides the superhero with the superpowers which he uses to thwart the supervillains. Four levels of play, each with its own colorful scrolling map. Character editor allows the player to edit the powers of the superhero. \$49.95

*ISM, Inc., PO Box 247, Phoenix, MD 21131, (301) 527-1988*

## Mindwalker

Talk about a split personality. With this program, you're a physics professor gone mad. Your ego has split four ways: that of a musclemat, a mathematical whiz kid, a fantasy creature, and a beautiful water nymph. All four of you must combine your resources to journey through the mind and make it whole again. \$34.95

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Mixed-Up Mother Goose

The enchanting Mixed-Up Mother Goose takes your child on a wonderful adventure in dreamland where they will help Mother Goose to find her mixed-up rhymes and restore them back to normal. Mother Goose comes with written and visual clues to help your child play the game. Easy-to-use joystick or keyboard controls make playing a snap. Helpful pull-down menus assist children throughout the adventure. Includes a free full-color map of Mother Goose Land. Up to 12 players can save their game, according to their name, to disk. Easy-to-use menus make it simple to play the game, save it, and select options such as a joystick control. Randomly located objects and characters allow your child to enjoy playing this adventure over and over again. \$29.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Moebius: The Orb of Harmony

Combines the features of animated martial arts games with the challenges of fantasy role-playing adventures. \$39.95

*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

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## Monopoly

Play the best-selling board game of all time with friends, against the computer, or with a mixture of human and computer-controlled opponents. Enjoy the thrill and excitement of wheeling and dealing with the added enhancement of computer animation. Amass and lose great fortunes buying and selling railroads, utilities, and properties of all types. Collect rent and increase the value of your properties by building houses and hotels. Vie with crafty strategem for control of key properties such as Boardwalk and Park Place. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Moonbase

You are Commander of Project Moonbase, NASA's long range plan to colonize Earth's moon. From your multi-million dollar annual budget, you must establish a base, then manage its growth into a full fledged, independent colony. With savvy and luck, you may create a self-sufficient city on the moon, but not without handling the leadership problems in this political and physical environment. \$49.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Mouse Quest

Help Marvin the Mouse as he tries to prove himself and win back his girlfriend Meryl. Fifty levels of fast arcade action with terrific graphics and sound. \$19.95  
*StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553*

## ◆ Mr. Robot's Speak'n Spell

Picture-oriented word game for ages 6 and up. Players try to match words with pictures and clues. Includes music, crossword puzzles, animated talking robot, and 1020 color pictures (20MB uncompressed). Teaches over 1000 word spellings, meanings, and pronunciations of increasing difficulty in 204 levels of play. \$49.95  
*Brain Technologies Co., P.O. Box 215147, Sacramento, CA 95821, (800) 272-4601*

## ◆ Multimedia FX™

A sound effects synthesizer with video image synchronization. Compress video sequence images, make wild new sounds and beats, sound controls image sequencing, create, save, and playback NTSC available now, PAL in January 1992. \$29.95  
*Pacific Digital Effects, 6 Stetson Drive, Kentfield, CA 94904, (415) 457-8448*

## Murder on the Atlantic

You've just set sail for a relaxing journey when a sudden murder calls on you to investigate 40 suspects, 600 shipboard rooms, and search for 22 mystery-solving clues. \$39.95  
*Intracorp, Inc., 14160 S.W. 139th Court, Miami, FL 33186, (800) 468-7226*

## ◆ Murder!

For people who love a good, vintage murder mystery, especially on dark and stormy nights, the game of Murder! provides nearly three million different murder cases for computer sleuths to solve. Search the house, interrogate suspects, investigate clues, and reap the rewards of pinning the crime on the murderer. Act too hastily accusing the wrong suspect, and your days as a detective are over. Players have just two hours to solve the crime before the murderer escapes the house. The game includes a murder casebook containing summaries of a dozen of the most notorious cases in the history of murder. \$44.95  
*U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

## Muscle Cars

All-American Car Disk for The Duel. The five cars are: 1963 Corvette Sting Ray Split Window Coupe, 1968 Shelby GT500 Mustang, 1967 Pontiac GTO, 1967 Camaro 427, and a 1969 Dodge Charger Daytona. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## NFL DataDisk

Data disk contains player readings for all 28 NFL teams allows you to simulate games between NFL teams on GRIDIRON!. \$19.95  
*Bethesda Softworks, 15235 Shady Grove Road, Suite 100, Rockville, MD 20850, (301) 926-8300*

## NY Warriors

The World Trade Center has been taken by terrorists! As the commander of an elite strike force, you are the only one who can keep them from blowing it up! 1MB version: \$49.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Netherworld

Mystical space journey / action arcade. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Neuromancer

Science fiction role-playing game in which the player must find out why all the computer hackers in Chiba City have disappeared. Players must use computer programs to break into databases and get information. \$44.95  
*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 549-9001*

## ◆ Never Ending Story II Arcade

Let yourself become part of Fantasia, the place where everyone's dreams come true. Can you, as Bastian our hero, save Fantasia from destruction? Use all of your skills and wit to fight the awesome giants and overthrow the beautiful but evil Xayide. Meet Bastian's friends and ride on the back of Falkor, the lucky dragon in a breathtaking chase through the narrow canyons of Fantasia. Don't let the dreams die, all Fantasia is relying on you to protect the future of The Never Ending Story. \$39.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Never Mind

Never Mind is a totally interactive thinking man's animated puzzle which features 300 levels, essentially 300 puzzles, with a screen unique to each. The object of the exercise is for the player to use the screen character to rebuild a video wall picture which forms part of the screen by picking up blocks and dropping them into the correct place. After the picture first appears, it is then fragmented—with the pieces dispersed around the screen—before the game begins. In its most simple form, the animated character stands on a block, then presses a fire button which allows the block to be carried to its destination. However, it becomes increasingly difficult as the player enters different levels by dropping down a hole to cross a causeway to find himself in the middle of another maze of blocks. As he progresses, the pictures become more complicated and animated, and he must circumvent rogue chess pieces that appear to disrupt the proceeding. All of this must be achieved against the clock, with times set from 30 seconds for the entry level puzzle up to 10 minutes for a multi-island task. \$34.95  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Night Dawn

Arcade/strategic game. Ten levels that are very challenging. Excellent sound effects and superb graphics. \$29.95  
*InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266*

## Night Shift

Night Shift is an arcade-style computer simulation of a whimsical toy factory. To keep up with increasing demand for its Star Wars and Indiana Jones toys, toy factory Industrial Might & Logic hires a night shift worker who must contend with ever-increasing quotas. In the process, the worker has to cope with equipment failures, lawyers, lemmings, and a surly boss to boot. Includes 30 'shifts,' with gradually increasing challenge. Choose to play as either Fred or Fiona Fixit. Suitable for ages 10 and up. \$39.95  
*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## Nightbreed

Nightbreed vividly recreates the attempts of Aaron Boone to escape from the brutal ignorance of his world. Boone, fabled hero of the night, has been unjustly accused of murder. The police are in hot

pursuit. He searches for and finds Midian, a subterranean haven inhabited by a supernatural race—the Breed. But once in Midian, Boone's past catches up with him. The police and a savage villain called the Mask infiltrate his refuge, and it's up to Boone to save the Nightbreed or be responsible for their destruction. A thoroughly twisted and intriguing story filled with monsters, evil, and challenging adventure. \$39.95

*Ocean Software Ltd., Distributed by Electronic Arts, 1855 O'Toole Ave., Ste. D-102, San Jose, CA 95131, (800) 245-4525*

## Nitro

Choose your car, grab the wheel, and go. Speed through the cities, deserts, forests, and wastelands, competing in over 30 grueling races, day and night, in a mad dash for the checkered flag. Pop in the shop to soup up or repair your machine. Pedal-to-the-metal fun in the inimitable Psygnosis style. \$39.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## ◆ No Greater Glory-The American Civil War

The year is 1861 and you are President Abraham Lincoln—or Jefferson Davis. The immensity of this war dawns on you—the bloody battles and the conflicts over such issues as slavery, taxes, inflation and enlistment of negroes. No Greater Glory covers these and other major military, political, diplomatic, and economic aspects of the Civil War. Move your armies across the map and order your generals to take them into battle. Enter your decisions quickly and easily with the point-and-click mouse interface. Superb graphics present you with immediate feedback of your actions. Every game can end differently. 1MB \$69.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almaden Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Nobunaga's Ambition

This is a simulation game based on Japan of the 16th Century. A group of feudal lords called Daimyo ruled Japan in the 16th century. Each has a single wish: to become Shogun and rule the entire nation. Nobunaga's Ambition is a military, economic, and diplomatic simulation for one to eight players. As Nobunaga, you start with one fief and try to take the entire nation. A game of both strategy and tactics, success takes careful planning and opportunism. \$59.95

*Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayshore Plaza, Burlingame, CA 94010, (415) 348-0200*

## North and South

Capture the excitement of the Civil War's greatest battles. Now you can relive history as you march on Atlanta or storm Savannah. Or rewrite history with a Confederate conquest. North and South gives you sophisticated military strategy with an entertaining plot. Humorous characters and situations keep the play fun and can catch even the most experienced player off guard. Multiple levels of difficulty and two modes of play. \$44.95

*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Nuclear War

A comical game of strategy and tactics. As a world leader, you must compete against four computer controlled opponents for global supremacy. Experience propaganda blitzes, nuclear strikes, and some interesting weather anomalies. \$19.95  
*New World Computing Inc., Distributed by Electronic Arts, 20301 Ventura Blvd., Ste. 200, Woodland Hills, CA 91364, (800) 245-4525*

## Obitus

You're in the depths of your own worst nightmare...but this time there is no waking up. Lost and alone in a dangerous and alien medieval world, you must discover where you are, how you got there, and how to get out! Silky smooth scrolling through forest labyrinth mazes, first person perspective confrontations and dialogue with a cast of characters who may help or hinder your progress, parallax scrolling action scenes, and diabolical surprises in a brand new genre of Psygnosis game. Roger Dean limited T-shirt in each box. \$59.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*



## ◆ Official Guide.to

### Sid Meier's Railroad Tycoon

Do you know you can embezzle money in Railroad Tycoon at no risk to yourself? Do you know which tycoons are most likely to take over your railroad? The only source of insider information available for the game—direct from the designers of the game. This book contains essential gaming information not found in the manual. Get the answers to puzzling economic forces, learn to defeat each of the Tycoons, build the Transcontinental Railroad and the Orient Express, manipulate the stock market to your advantage, discover the best areas to build on each map, and learn the best way to survey your line. These are just a few of the things you'll be able to do with The Official Guide. \$12.95  
*Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408, (919) 275-9809*

### Offshore Warrior

A sport has evolved where powerful boats battle against the elements and their opponents. The warriors fight for victory against each other while trying to survive the dangers of rocks and waves. Throttles at the limit, the warriors struggle to control their boats by jumping waves, avoiding rocks, and firing at their opponents. Can you survive the pressure of a do-or-die situation? Start your engine. \$39.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

### Omega

Strive to design the future's ultimate military sybertank in Omega. You have been placed as an engineer for the Organization of Strategic Intelligence and your mission is to integrate chassis components and create artificial intelligence in an attempt to build the world's supreme sybertank. Choose from 10 chassis types, ten drive systems, eight weapons types, nine special items, and ten scanner types. Then test your design on a simulated field of combat. \$49.95

*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

### Omni-Play™ Basketball

Imagine owning, coaching, and managing your own basketball team and playing some fast action hoops too! Includes SBA League and End View Game Modules which allow you to build your own team. Determine play-off structures, season lengths and more. Recruit new players or improve the current roster at training camp. You can even trade players to other teams. Players not only age year after year, but can suffer injuries. Down on the hardwood, you can play too. Pass, shoot, slam dunk, double-team, break backboards, and much more. \$34.95

*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

### Omni-Play™ Horse Racing

Omni-Play™ Horse Racing is a two-disk set which gives up to four players the chance to test their handicapping skills against each other and up to 19 computer opponents at the same time. Go for the quick kill by betting on long shots, Triples, Exactas, and Quinellas, or play more conservatively by betting on the favorites to Win, Place, or Show. Whatever your strategy, there are plenty of stats available, including the past 10 race results of all 128 horses at each track, the Morning-line Odds, payoff displays, and post position histories. Jockeys have their own personalities and mood swings. Track conditions can be dirt, grass, or mud, and you can even buy tips from your competitors! Includes digitized sounds. \$34.95

*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

### One to One Match

A memory game for children ages 4 to 14. No reading is required to play this game and the program autoboots. This game talks! All pictures are named. Children develop their powers of concentration and expand their vocabulary by pairing up beautifully illustrated objects in one of seven categories. The categories begin with simple concepts and progress to the complex: from planets to the big bang, from triangles to tetrahedrons, from simple numerals to fractions, from notes on the treble clef to classical melodies. The child's vocabulary is expanded by learning the national flags, continents and oceans, date, time, and money. Added for both fun and enrichment are flowers, trees, leaves, sea life, breeds of dogs, cats, and horses. Five different

ways to play the game (three with the computer as the partner) and three different card layouts (20, 30, or 42 cards) provide flexibility for the player. Runs on all Amigas 512K minimum. \$39.95  
*Computer Sight, 4522 Santa Rita Rd., El Sobrante, CA 94803, (415) 222-2638*

### Operation Combat

Digitized sounds of gunfire, air support, and movement of your troops take you right into battle. Fight in the deserts of the Middle East or the jungles of Asia with the firepower equal to that of United States forces in Saudia Arabia. With six battlefields and five scenarios to choose from, Operation Combat challenges your wits and your courage. Remember, in war there can only be one victor! \$49.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

### Operation Wolf

When terrorists must be stopped, Operation Wolf gets started. This commando-style attack adventure explodes with action from start to finish. In the steamy jungles of South America, heavily armed extremists are holding innocent civilians hostage. The only way to rescue the hostage is to get in, strike hard, and get out, FAST! \$39.95  
*Taito Software, Inc., 390 Holbrook Drive, Wheeling, IL, (708) 520-9280*

### Operation: Cleanstreets

You are Cleanup Harry, the city's toughest undercover cop. You've been assigned to get rid of the pushers and punks who control the city streets. Outfight your foes every step of the way: punching, kicking, dodging. And your mission's not over until all five levels are cleaned up. \$39.95  
*Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263*

### Orge

Your army must contend with a huge cybernetic tank code-named Orge, which is armed with missiles, guns, and armor plating several feet thick. \$29.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

### Out Run by Sega

Take the ride of your life in the home-computer version of Sega's arcade megahit. This baby's sleek and smooth—the fastest thing on four wheels. Floor the gas pedal and let her ride past the beaches of southern France, California's Death Valley, cities, mountains, and vineyards. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

### ◆ Over The Net

It's your serve. Now you can play pro-circuit volleyball year 'round with Over The Net, the exciting new tournament beach volleyball game from Merit Software. This European-designed program lets you slam, dig, set, spike, and hit with arcade action so realistic you'll be able to feel the hot sand under your feet. Sound effects and excellent soundtracks bring an added dimension to the game on your computer screen. Action-packed Over The Net is designed to sharpen your competitive edge. One or two players can play from one to five sets in a single session. Choose from five exotic beach courts, from Timini to Miami to Ibiza—each designed to test a different level of your skill. So what are you waiting for? It's your serve. \$39.95  
*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

### Overdrive

An arcade adventure game for all Amigas. Begin play with the choice of six pilots, six ships, and wide range of different modules and armaments—900 different combinations in all. Game has four levels: Artificial Planet—liberate the colonists from pirates; Space—rescue cargo ship; Inside Asteroid—destroy pirate headquarters; Surprise. \$59.95  
*Infacto, 1004 West Rose Circle, Los Altos, CA 94022, (415) 968-0813*

### Overlord

Imagine a universe that holds only a small group of planets. Each planet is a barren shell waiting to be given life. Imagine further that within this universe there exists the forces of good and evil. Having only a single Starbase to work from, you set out in ships of your own design, and use them to colonize the barren planets. You must also recruit, train, feed, and arm a galactic force to protect these colonies

from your evil foe. Strategies are needed, taxes must be imposed, mining operations need to be set up, and farms need to be established. \$49.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

### P.G.A. Championship Courses

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Firestone South, Pinehurst #2, Oakland Hills, Oakmont, Southern Hills. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

### P.G.A. Tour Courses I

Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Doral Blue Monster, Torrey Pines South, TPC at Sawgrass, Cypress Point, and Indian Wells Bob Hope course. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

### P.O.W.

Every red-blooded American is sickened by our enemy's injustice toward our men who gave so much for their country. Many of our boys are still over there and you're going to get them out. Armed with your Actionware Phaser (sold separately), you set the strategy to adventure behind enemy lines and shoot your way to our boys and bring 'em home. Also uses mouse. \$39.95  
*Actionware, 38 W. 255 Deepwater Rd., Batavia, IL 60510, (800) 848-2333*

### PGA Tour Golf

Enter the world of big-time golf. See TV-style graphics with aerial fly-bys of every hole, multiple shots of the ball in flight, announcers, and pro tips. Tee off against 60 top PGA TOUR pros. Compete in real tournaments like the Kemper Open and THE PLAYERS Championship. Play the TPC's at Sawgrass, Avenel, and more. A 3-D putting grid, five types of swings, 12 ball lies, it even tracks your game with pro stats. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

### PIXOUND™

Pixound is a radical new concept in musical software, transforming visual art into music. Unlike other programs, which provide the computer equivalent of a light show, Pixound allows you to use the musical fingerprint of any image to create, play, and record complex new music. The novice musician or computer user can move from Bach to Rock by simply moving the mouse. The virtuoso, too, will thrill at the Pixound adventure of playing a new and unique instrument with every new screen. \$99.00  
*Hologramophone Research, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

### ◆ Paint Me a Story

Paint Me a Story gives a child the ability to create their own story book in exciting colors, whether or not the child has any drawing ability. By adding Magic wipes between pictures, by typing text and by adding music, the child can create a story as simple or as complex as his/her imagination will allow. £24.95  
*Genisoft, Unit 3 Poyle 14, Newlands Drive, Colnbrook, Berks SL3 0DX, England, (011) 4475-368-0363*

### Paladin

Animated fantasy-combat game for one player. The game features 10 character combat squads, multiple level combat, magic, assorted weaponry. The Paladin Package also includes a quest builder so you can build your own quests. \$39.95  
*Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032, (203) 678-7679*

### Paperboy

Tackle the action-packed job of a paperboy in this arcade. Deliver papers to subscribers (and smash the windows of non-subscribers) as you avoid cars, workmen, cats, lawnmowers, and burglars. Then, head out to the Paperboy Training Grounds for bonus points. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

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## Parachutes at Kanev

September 1943, WWII, Eastern Front, Germans vs. Russians. Battalion level, featuring first Russian parachute drop—the fog of war. All new break-through-neural networking—the more you play, the better the computer learns your tendencies, making for a very intelligent computer opponent! \$40.00

3W Computer Games, Inc., P. O. Box F, Cambria, CA 09342, (805) 927-5439

## Persian Gulf Inferno

Arcade action and role playing. Superb graphics and digitized sound. Excellent story—you must save hostages and disconnect a nuclear bomb on an oil rig. \$39.95

InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266

## Pick'N'Pile

A multitude of colored balls falling from the sky and it's your job to make them disappear. To do so, you must swap shapes, create columns, and empty the screen before time runs out. Once a screen is completely void of balls, you move on to the next level. As the pace picks up and the difficulty increases, players must rely on their reflexes and agility to move onward. Many obstacles fall in your path. Watch out for the Death-heads which make time run out twice as fast, Flames that burn potential points, and Flower Pots which break shapes and prevent column formations. \$39.95

UBI Soft, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Pictionary by Domark

Pictionary is played by guessing words that are drawn either by the computer or team members. While playing in teams, players sketch the clues on-screen for teammates to guess before the allotted time runs out. Individual players try to beat the clock, and guess while the computer sketches the clues. A game board is included that will automatically roll the die and keep track of the players progress. \$39.95

Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263

## Pipe Dream

Pit your pipefitting prowess against a surging sea of sewage. Your objective is to build the longest possible continuous pipeline, racing against a stream of chemical fluid called Flooz. Piece together the pipeline from various shapes of pipe, which appear in a random order. There are 36 increasingly challenging levels. Play solo, against a friend or team up in a joint battle against the computer. But if you slow down for a second, it's Sludge City! \$39.95

Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927

## Pirates

A 17th-century Caribbean adventure. You're a privateer captain in the thick of the action on the Spanish Main. Challenge your reflexes with simulated sailing, sea and land battles, and swordfights. Experience romance and intrigue from more than 50 foreign ports.

MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151

## Planet of Lust

Adult graphics/text adventure game. Sequel to Sex Vixens from Space. \$39.95

Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609

## Platoon

Experience the full dramatic impact of this Academy Award-winning film. Lead your platoon through the war-torn jungles of South East Asia, picking up desperately needed food and supplies along the way. You must remain constantly alert, as deadly surprises await you in every bunker, secret tunnel, foxhole, and village. It's a question of survival against bold guerilla fighters, unseen snipers, elaborate booby traps, and surprise napalm air strikes. \$44.95

Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080

## Pocket Rockets

Better watch out! Take a test ride on Pocket Rockets, the high-speed motorcycle simulation game. Experience all the thrills and spills of high-speed racing with machines that take you from zero to 60 in

under four seconds. Pocket Rockets lets you choose from four of the quickest, most exotic bikes on the planet. The action is as real as the adrenaline you'll feel. \$39.95

Capcom, U.S.A., 3303 Scott Blvd., Santa Clara, CA 95054, (408) 727-0400

## Poker

Your Amiga will play the roll of up to four saloon card sharks who are after all your money. Playing against these four will truly get you warmed up for a real game of Poker! Call your game when your time comes around to deal. Poker is totally mouse operated and has built-in instructions that can be recalled any time during operation. \$34.95

Software Factory, The, 4574 N. Linda Vista, Boise, ID 83704, (208) 378-0836

## Poker Solitaire

Play twelve hands of stud poker simultaneously. Strategy game allows two players or one against the clock. Multiple skill levels challenge even the expert.

Ethos Development, 3617 Lawson Blvd., Delray Beach, FL 33445, (407) 496-0843

## Police Quest

Mature, authentic law enforcement simulation designed by a California Highway Patrol veteran. Manual describes police procedure; crime computer gives court information on suspects. \$49.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders

## Police Quest II

The Vengeance! Police Quest is one of the most original adventure series in computer history, with authentic police regulations to follow and real-life situations to encounter. Police Quest II lets you experience life as a homicide detective, as you track down the escaped convict—The Death Angel! Now available in Japanese. Requires 1 MB. \$59.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders

## Police Quest III

Designer Jim Walls continues his best-selling Police Quest series with Police Quest 3: The Kindred. As homicide detective Sonny Bonds, follow a trail of insanity, brutality, and bizarre ritual killings. Musical soundtrack by Grammy Award winner Jan Hammer of Miami Vice fame. \$59.95

Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders

## Pool of Radiance

All monsters, items, and spells are from the famous AD&D Monster Manuals, Dungeon Masters Guide, and Players Handbook. Roll up your characters from four Classes, six Races and nine Alignments in classic AD&D fashion. Personalize your heroes' combat figures with individual weapons, armor, and colors. \$49.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almaden Ave., Sunnyvale, CA 94086-2901, (800) 245-4525

## Pools of Darkness

Pools of Darkness takes you back to the Moonsea area for the final battle against the ultimate enemy. Prepare yourself for the biggest adventure yet! Pools of Darkness propels you into alternate dimensions on an enormous quest. And, it boasts a fully evolved version of the award-winning game system used throughout the series. Transfer your characters from Secret of the Silver Blades with levels, money, and items intact, or create new characters. Either way, you're in for some high-level action. Battle monsters never before encountered, cast powerful new spells, and achieve character levels well above the 25th level. State-of-the-art graphics and crisp digitized sound. \$59.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almaden Ave., Sunnyvale, CA 94086-2901, (800) 245-4525

## Populous

Earthquakes are serious fun. Deities are the all-powerful rulers of the worlds, but two deities in one world is one too many. You give them good land. You tell them when to farm and when to fight. You make them content beyond their wildest dreams. But then they become raging arsonists. What's a deity to do? \$49.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Populous: The Promised Lands

Populous: The Promised Lands is an accessory disk that adds five new landscapes to the hit game Populous™. Adding The Wild West, Révolution Française, Blockland, Sillyland, or The Bit Plains to Populous™ will virtually give you a whole new game. You'll need to invent new strategies to conquer 500 more worlds, or you can use the lands to build your own worlds to conquer. \$14.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Ports of Call

Exciting game of shipping strategy. The player assumes the role of a shipowner and captain. Both strategy and arcade action. The object of the game is to deliver the ship's cargo to the determined port and achieve maximum profitability. Available in English, French, German, NTSC, and PAL. Runs on Amiga 500, 1000, 2000, 2500, Workbench 1.3. \$34.95

Disc Company, The, 11040 Santa Monica Blvd., Ste. 300, Los Angeles, CA 90025, (213) 478-6767

## Power Pinball

Pinball Wizard never had it so good! Power Pinball is a truly realistic simulation of a pinball machine. You can play one of several included machines, or design your own! Import IFF sounds and graphics from your favorite paint program. With Power Pinball you can take the wizardry to a whole new level! \$39.95

KarmaSoft, P.O. Box 1034, Golden, CO 80402, (303) 277-1241

## PowerMonger

PowerMonger takes you to a living world where each individual has a home, an occupation, and a level of intelligence—all must be accounted for in your strategy. PowerMonger casts you as the leader of a displaced tribe newly arrived in an uncharted territory. There are 200 territories to conquer before the world is yours. To unite the land under your rule, you must win the allegiance of the people by force, negotiation, or outright bribery. \$49.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Powerdrome

3-D racing action. Suspended in air, keep your racer from crashing into floor, walls, and roof. Strain to hold a flight line against crushing g-forces and buffeting aerodynamic loads. Push man and machine to the limit—stretch the flight envelope for the fastest lap times. Enter the robopits for engine repairs and body part replacement. Full tune-up facilities. Adjust the airbrakes and flaps, select the best fuel and filters for each planetary atmosphere encountered. Tune your typhoon into a winning machine. When you really cream your machine, the rescue-recovery vehicle tows you back into the pits. Travel to five different planets to race in different gravities, atmospheres and climates. Perfect your racing technique on the Oval track before attempting more treacherous courses. Advanced courses test every skill you possess. Featureless straight-aways plummet into dimly lit caverns. Sweeping bends curve up towards the sky. Fight for the flag against four aggressive rivals, each with his own strategies and racing styles. Set up a datalink between two computers for head-to-head racing action. \$19.95

Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Powerstyx

Battle your way through chomping skulls, perilous scissiors, deadly crosses, and heart-pounding time restrictions in this action-packed game. You as the artist must conquer these obstacles before revealing the final masterpiece, hidden behind each treacherous screen. \$14.95

DigitTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733

## Predator 2

Take on the role of veteran cop Mike Harrigan. Shoot it out with machine gun-toting drug lords and the Predator, a brutal alien who finds sport in the killing of human prey. Collect powerful weapons to save your fellow officers, then use streetwise ingenuity and devise a way to destroy the creature's invisibility mechanism. Each level is inspired by the movie with plenty of action to please arcade enthusiasts. Digitized movie scenes recapture the Predator just as he appears on the big screen. \$19.95

Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support

## Prince of Persia

You are a young adventurer from a far-off land, and the Sultan's beautiful daughter has fallen in love with you. But the Grand Vizier Jaffar has other plans. In the Sultan's absence, he has thrown you in prison, and given her an hour to choose: Marry him or die. You'll need acrobatic agility, superb swordsmanship, and brilliant puzzle-solving ability to save her. Twelve levels with more than 250 increasingly difficult screens. \$39.95  
*Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263*

## Prison

The year is 3033. Criminals are no longer sent to jail, they're sent to a penal colony on the abandoned planet, Altrax. You have been wrongfully convicted of a crime and sent there. Your only hope for life is to find a rumored space pod and escape. Game play and lighting affected by Game Day-Cycle; communicate and interact with other game characters. Requires joystick. \$39.95  
*Actionware, 38 W. 255 Deerpath Rd., Batavia, IL 60510, (800) 848-2333*

## Pro Tennis Tour

In Pro Tennis Tour, you are a professional tennis player, ranked 64th in the world. Your objective is to improve your ranking by participating in major championships such as the Australian Open, French Open at Roland Garros, U.S. Open, and Wimbledon. Each championship event is played on its unique surface, whether its grass, clay, or cement. Pro Tennis Tour has six training programs where you can play either an opponent or against the computer. The on-screen scoring display, realistic sound effects, and two-player option give Pro Tennis Tour the look and feel of an actual tennis game. Improve your service, master your tennis strokes, and enjoy the 3-D instant replay feature of your best shots. See CDTV section also \$39.95  
*UBI Soft, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Professional Football Simulation

You choose the game strategy and call the play. By utilizing true artificial intelligence routines, the computer uses the probability of the play's success against the defensive formation to determine the outcome. Allows modern play, and keeping of individual stats of leagues, and comes with standard playbook containing all the popular offensive and defensive plays. \$44.95  
*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818*

## Prospector In The Mazes Of Xor by Logotron

Limited action-packed adventure game with a non-violent theme. Two prospectors, Herb and Pip are trapped in the labyrinths known as the Mazes of Xor. In order to escape, they must collect the 845 blue balloons, which are hidden in the mazes, before Xor captures them. There are 30 different mazes available, plus an extra 15 that you can create using the maze constructor for a grand total of 45 different mazes and endless hours of enjoyment. \$39.95  
*Eurosoft International Inc., 70 Woodfin Place, Ste. 400, Asheville, NC 28801, (704) 255-7590*

## QIX

There is no cure for QIX fever! Your mind is your only weapon. The treacherous Qix is a deadly computer virus. In this electrical world of hi-tech infections, you need all the mental dexterity and superior strategy you can muster to escape packs of roving SPARX, SPRITZ, and waves of wandering energy to conquer this force. \$39.95  
*Taito Software, Inc., 390 Holbrook Drive, Wheeling, IL, (708) 520-9280*

## Qsolve 1.0

Cube game based on Rubik's cube. Test your skill to solve problems of increasing difficulty. Descend through a chain of challenges from easy to super hard. Disk includes a collection of interesting, pretty patterns. \$29.95  
*Computer Creations, 259 Thornton Rd., N. Oshawa Ontario, Canada L1J 6T2, (416) 576-2023*

## Quest for Glory II: Trial by Fire

As in the first game in the series, players construct their characters from the ground up. Players who have completed Quest for Glory I may bring their seasoned Heros to play in this second installment. Set among the mystical and exotic background of the Arabian Nights, Trial by Fire reaches new heights of humor and adventure. Requires 1MB memory. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Quest for Glory: So You Want to be a Hero

Players will construct a character from the ground up, combining basic attributes of strength, agility, charisma, and intelligence into game characters. It's a combination of fantasy role-playing with the basic adventure game concept of going to a world and exploring it, finding things, and solving puzzles. \$59.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## R/C Aerochopper Flight Simulation System

R/C Aerochopper Flight Simulation System on your home computer puts you as close to real R/C flying as you can get. It is designed to stimulate the experience of real flight and with the feel of actual radio hardware, can put you at the controls of a number of different airplanes, helicopters, ducted-fan jets, and even a glider. Various flying conditions can be set up by selecting one of 22 different, pre-programmed aircraft utilizing seven different aircraft images. Each R/C Aerochopper Flight Simulation System includes a Futaba Conquest dual joystick transmitter box with interface cable, software on disk, and owners manual. NTSC and PAL. \$229.00  
*Ambrosia Microcomputer Products, Inc., Ste. 371, 98 W. 63rd St., Willowbrook, IL 60514, (708) 655-0610*

## RVF Honda

Simulation of formula-like motorbike racing. \$39.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Railroad Tycoon

In Sid Meier's Railroad Tycoon, feel the pride and excitement of creating an industrial empire in the Golden Age of Railroads. Explore and develop new markets in the US and Europe. Stay up-to-date with locomotive technology. Compete against rail barons eager to crush you or brush you from their path. \$59.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Rambo III

Get Rambo on your team! As Rambo, the world's most popular and recognizable hero, you stage a daring rescue of Colonel Trautman. Soviet commandos are holding him captive 30 miles over the Afghanistan border. The mission: Get in. Get out, meanwhile saving the Colonel, bombing the Soviet compound, and using hijacked tanks and choppers to make a run for the border. \$34.95  
*Taito Software, Inc., 390 Holbrook Drive, Wheeling, IL, (708) 520-9280*

## Ramify

Thousands of years ago royalty and common men alike played games consisting of pits and using pebbles or jewels as playing pieces. Sometimes the games were played for high stakes, including rubies, sapphires, and slaves. Ramify is based on these Mancala games. We believe you will find it as addictive as the kings and maharajahs of old found it, and we have modernized it for your computer. In this version you are playing for megabytes of RAM chips. \$39.95  
*Expert Services, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690*

## Rampage

Smash and trash. Go ahead, get it out of your system, lose your temper, smash a skyscraper, trash a city, and have an office building for lunch. Go on a rampage. Includes one- or two- player options, choose any of three mischievous monsters to control, 147 different cities to trash. Super colorful graphics and arcade-style animation. \$39.95  
*Activision, 4600 Bohannon Drive, Menlo Park, CA 94025, (415) 329-0800*

## Rastan

This arcade epic transports you to the ancient and mythical land of Lograth. Be the invincible war lord, Rastan, and kill off a host of evil Lords, slay

deadly dragons, and capture life-giving magical powers as you try to defeat the mighty Castle King. Be sure. Be swift. Be brave. You have the power to triumph; use it well. \$39.95  
*Taito Software, Inc., 390 Holbrook Drive, Wheeling, IL, (708) 520-9280*

## Reach for the Stars

The conquest of the galaxy. Reach for the Stars is a four player game of interstellar colonization and conquest. Your task is to create and maintain an empire in space. Expanding your empire means colonizing other star systems, improving their industry and environment. Maintaining it will almost certainly involve adjustment with your neighbors. The Computer plays any side not played by humans. \$45.00  
*Strategic Studies Group, 1747 Oleans Court, Walnut Creek, CA 94598, (415) 932-3019*

## Red Storm Rising

Red Storm Rising focuses on the tactical operations of an American nuclear attack submarine after a crushing invasion of Western Europe by the Warsaw Pact. The player's mission as submarine commander is to locate and destroy Soviet submarines and surface vessels as they leave their base near the Arctic Circle, before they can reach the Atlantic to disrupt the shipping of U.S. men and supplies to the battle front. Based on Tom Clancy's best-selling novel of the same name, the game presents the player with five types of radar and sonar devices, five classes of sub-launched missiles, and three versions of programmable torpedoes. The high-tech gear produces a riveting effect, and with all the data and high-tech decisions the player has to make, the pressure of playing cat and mouse with another sophisticated submarine can be awfully intense! \$54.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Reel Fish'n

How many days can a small business owner take off from the shop without losing out? Depends on whether his days at the lake are profitable. Join him in this fishing simulation game and spend a sunny day reeling in fish. \$44.95  
*Interstel, Distributed by Electronic Arts, P.O. Box 57825, Webster, TX 77598, (713) 946-7676*

## Renegade

2 A.M. is not the time to be alone in the subway, and you are about to find out why. The blistering fast-paced street style karate action takes place on subway platforms, old shipping piers, and seedy city streets. Defend yourself from multiple attackers and out-maneuver the local motorcycle gang. If Big Bertha and her whip-wielding friends don't finish you off, the skin heads and their razor knives just might. \$34.95  
*Taito Software, Inc., 390 Holbrook Drive, Wheeling, IL, (708) 520-9280*

## Renegade Legion: Interceptor

Take command of a fighter squadron and fly with the Elite Forces of either side in the never-ending wars between Terran Overlord Government and the Commonwealth. Dogfight with deadly 69th century starfighters—24 standard fighter types are included, or custom design your own. Arm fighters with high-tech weaponry, such as mass-driver cannons, lasers, electron and neutron particle guns, and many types of missiles. Fly over a dozen mission types, including anti-piracy, space station defense, enemy fleet interceptions, and wild melee engagements. \$59.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Rick Dangerous

Rick Dangerous combines fast-action arcade adventure with humorous graphics and strange sounds to give gamers an alternative to the fight-to-the-death genre of entertainment software. The hero, armed only with a six-shooter, some dynamite, and a big stick spends most of his time trying to stay alive amidst the chaos and mayhem of a variety of exotic, dangerous locales. Rick fights for his life in four scenarios: an Amazon temple, where Rick must dodge hostile tribesmen; an Egyptian pyramid, where Rick squares off against ruthless assassins; a Nazi prison camp, where Rick fights to free Allied POW's; and a Nazi missile base, where

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Rick is the last hope of the free world. Each scenario calls for fast reflexes and the ability to solve puzzles appearing at a moment's notice and leaving little time to find the answer. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

**Rick Davis's World Trophy Soccer**  
 The new state-of-the-art in sports simulation. Arcade action brings the realism of world class soccer to your home computer in this direct translation of the super high energy coin-op arcade game. Team up with Rick Davis to play soccer better than you've ever played before. Includes real-to-life animation, multidirectional scrolling, accurately simulated free kicks, goal kicks, corner kicks, and throw ins. Single or double player simultaneous action. Pass, tackle and shoot your way through the qualifying rounds with the world's best soccer teams! 512K. \$39.99 & 1MB. \$49.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

◆ **Riders of Rohan**  
 Based on J.R.R. Tolkien's Lord of the Rings, players get the chance to live out the traditional Tolkien storyline or build their own saga in true Tolkien flavor. Players can bring the peaceful land and dynamic characters to life with the realistic 3-D terrain and sophisticated wargame system. Command the elite cavalry of Rohan as Riders battle to save their lush green land from the wicked forces of darkness and rescue the captured Hobbits from a fate worse than death. Includes numerous sub games and combat sections. Available 1st Quarter 1992. \$49.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

**Rings of Medusa**  
 You are the young Crown Prince of Morenor whose father's kingdom has been stolen by the evil goddess Medusa with her amazing diabolical magic. Your task is to challenge Medusa to the final fight. To do this, you will have to conduct trade, find treasures, equip an armada of ships and engage in sea battle, hire warriors for your land army and go into battle, gamble in the Casino of the Trolls; explore 33 cities, 13 castles, and three islands. Find five hidden rings in the kingdom and place them together in the temple of the Athenians to call Medusa into final battle. \$49.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

**Ringside**  
 World championship boxing. Fight your way through ten opponents to the title. Decide your fighter's name, weight, and age; assign strength points to a variety of techniques. Modify the length of rounds and the rest between rounds. Also features a training mode in which you can train your fighter against the computer or another player. Game saves top ten scores to disk. Super graphics and sound; a must for the boxing fan. One or two player action. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

**Risk**  
 It's the classic game of world domination! Challenge your powers of strategic planning in this game of fierce attack and vigilant defense, bold strikes, and cunning traps. Victory depends on how you deploy your forces, where you fortify your frontiers, and when you attack your enemies. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

**Road Raider**  
 Battle crazy rebel cars, shoot down armies of slimy mutants and test your skills in demolition derby rings in this action-packed road adventure, created by Chris Gray. Three unique game environments, three increasingly difficult levels, a variety of weapons, and add-on car supplies will keep even the most experienced game players challenged. \$39.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

**Robocop**  
 The future of law enforcement is here—and so is one of the best interactive games. You'll experience all the great moments of the blockbuster movie as you become America's true heavy metal hero. As Robocop, your job is simple—wipe out crime. Armed

with a heavy-duty cache of high-tech weapons, make your way past vicious enemies to your ultimate battle with Dick Jones. \$44.95  
*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

◆ **Robocop 2**  
 Based on the movie of the same name, Robocop 2 is set in the futuristic world of Old Detroit where the police force is on strike and mass-addiction to nuke—a deadly new drug, is spreading like wild-fire. Robocop must rid the city of nuke and then take on drug-lord Cain, his ultimate robotic enemy. Players alternate between scrolling action sequences and stationary arcade-style shooting gallery scenes. Players must recover a minimum amount of nuke to advance to the next stage. It's three levels include the river Rouge Sludge Plant, the Old Brewery, and the Civic Centrum. \$44.95  
*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

**Romance of the Three Kings**  
 China's second Han dynasty has collapsed. The entire nation battles with itself as warlords struggle for supremacy. As a warlord, you must defeat your enemies and control the country. Manage the states under your control to increase your power and resources. Cope with disasters, both natural and otherwise, choose good subordinates, and win their loyalty. Do your best to control and manage your empire. \$69.95  
*Koei Corporation, 1 Bay Plaza, Ste. 540, 1350 Bayshore Plaza, Burlingame, CA 94010, (415) 348-0200*

**Romantic Encounters at the Dome**  
 Adult text game set in the sophisticated hi-tech private club called The Dome. Play out different personae: be romantic or reckless, etc. \$24.95  
*Microillusions, P.O. Box 3475, Granada Hills, CA 91394, (818) 785-7345*

◆ **Rotor**  
 A strategy-oriented arcade game, where you are in command of a highly sophisticated rotor craft, flying solo through enemy fortresses in an effort to destroy their primary defense systems. Along the way you must collect fuel and energy to power advanced Rotor features. There are a total of 18 missions, with a password system to resume play on higher levels. \$39.95  
*Microdaft, 1012 South Main Street, Taylor, PA 18157, (717) 562-0650*

**Rotox**  
 The troopers are Cyborg Class 2-A, approved to carry heavy energy weapons and tactical missiles for off-world combat. Specially constructed landscapes in deepest space provide a nightmare environment of deadly machines and hostile life forms. Mistakes are fatal, but success will lead Rotox to the high powered weaponry he needs to escape. Ten levels, state-of-the-art graphics, and music. Weapons include scatter-bombs, grenade launchers, jet packs, and heat-seeking missiles. \$39.95  
*U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

◆ **Rules of Engagement**  
 You command a fleet of starships, engaging enemy ships in multiple combat missions. All aspects of those personalities under your command must be considered when issuing orders and delegating responsibilities. The game includes a mission builder, allowing you to customize existing missions or to create entirely new ones. Design enemy races, starships, solar systems and even the individual personality traits of your fellow ship captains. There are thousands of different combinations of opponents to choose from. You have the option to load and run Breach 2 scenarios whenever the player attacks selected outposts by being played in conjunction with the Interlocking Gaming System. \$59.95  
*Mindcraft, 2341 205th St., Ste. 201, Torrance, CA 90501, (800) 525-4933*

**SLAPSHOT!**  
 Hockey simulation uses digitized audio and team editing capabilities. Includes animated penalty calls and fights. Runs in real time. \$59.95  
*Bethesda Softworks, 15235 Shady Grove Road, Suite 100, Rockville, MD 20850, (301) 926-8300*

**SPOCBASIC DISK**  
 Thirty-five original entertainment programs re-worked to run without CLI. No copy protection. Sample \$5.00. \$25.00  
*S.P.O.C., 299 Old Highway 69, Kiowa, OK 74553, (918) 432-5774*

**Santa Paravia and Fiumaccio**  
 Strive to become King of your Medieval Italian city/state. Set taxes, buy and sell grain and land, build mills, markets, cathedrals and palaces, and make your town grow. The better your abilities, the higher your rank becomes. One to six players can compete to become King or Queen first! Full graphics. Three levels of difficulty. \$24.95  
*StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553*

**Santa Paravia and Fiumaccio (Tournament Version)**  
 As in the original Santa Paravia you strive to become King of your Medieval Italian city/state. Set taxes, buy and sell grain and land, build mills, markets, cathedrals and palaces, and make your own town grow. This time all players meet the same conditions each year. Two to six players may compete to become King or Queen first! Full graphics. Three levels of difficulty. \$29.95  
*StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553*

**Savage**  
 In Savage, the player is a powerful warrior searching for his kidnapped princess. To rescue her, the hero must battle his way through three challenging game scenarios. In the first, the hero beginning with only a battle axe must survive the evil creatures, and unavoidable obstacles within a tunnel-ridden dungeon. In the second level of play, Savage is on foot, racing toward the castle where his princess is held captive. The player must negotiate his way through fast-scrolling screens, avoiding the obstacles that appear without warning to intercept him. In the third and final level of play, the hero telepathically communicates with a magical eagle that flies through a mystical maze seeking to complete the quest. More evil demons, strange creatures and lethal traps appear throughout in an attempt to thwart the final stage of the rescue. Savage is a great diversion from the real world. \$34.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

**Scenery Disk #11**  
 Includes the Northeastern border of the United States. Incredible variety, from industrial Detroit, to beautiful Lake Huron and Niagara Falls. \$24.95  
*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983*

**Scenery Disk #7**  
 Can be used with Microsoft Flight Simulator to greatly expand the user's flying environment. Features hundreds of miles of coastline, many rivers and roads, railroads, racetracks, and transmitter towers from the East Coast of the U.S.A., in detail from Washington, D.C. down through Key West, Florida. Over 130 airports will challenge the most seasoned Flight Simulator enthusiast. \$24.95  
*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983*

**Scenery Disk #9**  
 For use with all subLOGIC flight simulation products. The disk covers the Chicago, St. Louis, and Cincinnati sectional areas in unprecedented 3-D detail, and is appropriate for both visual flight (sight-seeing) and VFR or IFR cross-country navigation. Scenery Disk #9 covers more than 300,000 square miles of the midwest United States with over 150 airports and more detailed cities than ever before. \$29.95  
*subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983*

**Scrabble**  
 Play Scrabble with friends or against the ultimate opponent, your own computer. Build your vocabulary and strategic abilities by playing through the different skill levels, from beginner to advanced. An ingenious combination of strategy and luck makes this game beloved of word lovers and gamers alike. \$39.95  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Second Front

A division-level strategic game on a grand scale that will appeal to advanced wargamers. The map extends from Berlin in the West to Stalingrad in the East and covers the entire Russian Front. One or two players command over 150 German divisions and over 200 Soviet divisions, with asset information available to the individual tank, plane, and infantry squad level. \$59.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Seconds Out

Real-time, arcade-action boxing game. Superb animation and game play, with a touch of humor. Take on five different opponents in your quest for fame and fortune and a coveted World Title. \$29.95

*StarSoft Development Labs, 3500 Aloma Ave. #D-2, Winter Park, FL 32792, (407) 657-7553*

## Secret Weapons of the Luftwaffe

High-quality color graphics, historically accurate WWII missions and aircraft. Opportunity to fly advanced German planes still in development during the war. Detailed graphics and realistic sound effects. Multiple camera angles and replay feature. Available in June. \$59.95

*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## Secret of the Silver Blades

Set in TSR's Forgotten Realms game world, the gamer will explore the most sophisticated AD&D fantasy role-playing games which include mines, dungeons, ruins, and ice castles. The player will battle monsters never before encountered, such as gargoyles, cloud giants, hydras, and other fierce foes. With the use of higher character levels, the user can invoke many other new powerful spells like: barkskin, charm person, delayed blast, and the fireball. \$49.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Sex Vixens from Space

Adult graphic adventure game. As Captain Brad Stallion, you must locate The Tribe, a colony of beautiful female clones from the planet Mondo who have been raiding the male population. Cruise throughout the galaxy in a one-man vehicle. \$39.95

*Free Spirit Software, Inc., P.O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609*

## Shadow Sorcerer

This animated adventure offers a fantastic feature: You control the four heroes in your party simultaneously—even during fully-animated real-time combat. This fast-paced adventure boasts a point-and-click game system that's easy to use. And just in case things get out of hand, your heroes come with pre-set strategies, even before combat begins. \$49.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Shadow of the Beast I

An adventure game that takes the player through 13 levels and 350 screens of multi-dimensional, parallax scrolling and other graphics and audio special effects implemented for the first time on the Amiga. You must jump, push, and kick your way above and below ground in this amazingly detailed world, while meeting over 130 varieties of creatures right out of your worst nightmares on your way to the final showdown. If you do manage to survive, don't worry. Shadow of the Beast II, the sequel, is waiting to challenge you even more. See CDTV section also. \$39.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Shadow of the Beast II

Shadow of the Beast II features a new cast of sinister, intelligent opponents, arcade-quality animated sprites, diabolically clever hidden traps and puzzles to solve, multiple inventory control, real-time interaction with intelligent creatures, rich new sound effects and speech. Each package is shipped with a limited edition T-shirt designed by Roger Dean. See CDTV section also. \$59.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Shadowgate

This action begins at the foot of a huge castle filled with menacing creatures, secret passageways, collapsing floors and other surprises. To survive the perils of castle Shadowgate, find the evil Warlock Lord before he summons the Titan Behemoth to destroy the world. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Shanghai

Strategy tile-matching game based on an ancient Chinese game. Remove the tiles that match the dragon. First player to run out of tiles wins. More complicated than it sounds! \$39.95

*Activision, 4600 Bohannon Drive, Menlo Park, CA 94025, (415) 329-0800*

## Shinobi

Use your Ninja might and magic as you attempt to save the children of the world's leaders from ruthless terrorists in this adaptation of the Sega arcade hit. This game takes you through five rescue missions, each ending with a confrontation with the Master Force. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Shoot 'Em Up Construction Kit

For those people who are certain they can create a shoot 'em up game better than any they've seen at their local software store, Shoot 'Em Up Construction Kit provides them with all the tools to do just that. Three pre-designed games are included on the disk, and game designers can choose to tailor any of these to their own specifications or start from scratch to create an entirely unique game. \$19.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Shufflepuck Cafe

Shufflepuck Cafe is a simulated air-hockey game that pits the player against nine different opponents, all of whom are regulars at the Shufflepuck Cafe, a seedy saloon reminiscent of the bar in Star Wars. The habitués are a motley crew from throughout the galaxy. They gather here because they love air hockey and this place has the last known game in the universe. Players can challenge any opponent and a droid keeps score on a chalkboard behind the table. Although each opponent has a unique style of play, they are also intelligent; so they're apt to change their tactics as they play. Players who succeed in winning a tournament get to place their names in the Roster of Champions. To keep the game challenging, several game elements are adjustable, including paddle size, bounce, and hit strength. For even more variety, players can change the playing characteristics of DC3-ALSO, the practice droid. Experienced game players will be challenged by the game's diversity and a range of difficulty. \$39.95

*Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263*

## Side-View Game Module

Play Omni-Play Basketball with the new Side-View Game Module and you'll enjoy the sport from a whole new perspective. Coach and/or play down on the hardwood, but now you lead the team as its Center at all times. Run anywhere on the court. Set picks. Call for the ball and teammates will give it to you whenever you want. Drive through the lane and get the quick two, stay on the perimeter and hit for a three-pointer or stuff a rebound back in the basket. Double-and-triple team options are even possible! Enjoy the game from the best seat in the house—down low courtside. From this new perspective and playing mode, see every second of hoop action from the eye of a TV camera following the ball left to right, down the court and back again. Need more thrills? Look for the acrobatic cheerleaders to heat up the action at half-time. \$14.95

*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## Sideshow

Remember the day the circus came to town? Remember the midway, the freak shows, the popcorn, and cotton candy? Well, the fun and excitement are all back with Sideshow. Spend the day playing the classic circus games like the balloons, the dunk tank, the haunted house, and more, but use the Actionware Light Gun (sold separately) for even more fun. Also uses mouse. \$44.95

*Actionware, 38 W. 255 Deerpath Rd., Batavia, IL 60510, (800) 848-2333*

## Silent Service

Action and strategy. Stalk enemy convoys through the waters of WWII's South Pacific. You make the crucial decisions. \$39.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## SimAnt-The Electronic Ant Colony

SimAnt, the latest simulation game from Maxis, puts you in command of an ant colony out to conquer a suburban backyard. You directly control one ant and manipulate the composition and behavior of your colony to overcome rival red ants, hungry spiders, and human feet, in order to reach your goal—the house and its abundant food supply. Available in early 1992. \$59.95

*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700*

## SimCity

The city simulator strategy game. You become mayor and planner of our city. Fully animated with graphics and sound. Features include cars, boats, helicopters, and monsters. Includes eight cities on the verge of disaster: San Francisco before the earthquake, Tokyo before the monster attack, Boston before the nuclear meltdown. See CDTV section also. \$49.95

*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700*

## SimCity Graphic Set 1-Ancient Cities

Ancient Cities includes Ancient Asia, Medieval Times, and the Wild West. You, as Shogun of Ancient Asia, must lay down enough rickshaw tracks to keep the Sims from jamming the roads on their way to the Sumo wrestling contests. Or be king (or queen) for a day and raise gold to build your castle by taxing the rabble (but not so much that they revolt). \$34.95

*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700*

## SimCity Graphic Set 2-Future Cities

Future Cities gives players access to Future U.S.A., Future Europe, and Moon Colony. In Future U.S.A. and Future Europe, you can build fusion or fission plants to power your gleaming cities. Or shuttle off to the Moon, where you can found your own mining and research colony among craters and dust canals, while repairing meteor damage and fighting off the creeping acidic fungus. \$34.95

*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700*

## Ski or Die

Shred snow in this multi-event winter thrasherland. Carve up a speed-fred snowboard halfpipe, punch the ozone in the acro-aerial ski jump, smash your opponent in the innertube thrash, blast snowballs at unsuspecting targets, and torch your hair in the full-out downhill blitz. Rodney and Lester—everybody's favorite abusive tag team—are back again. Subzero arcade/action madness! \$49.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Sky Shark

Strap in for full throttle action! Trapped in enemy territory, you've got to fly your P-40 on a top secret mission through hell. The skies are thick with a deadly rain of armor-piercing artillery fire. They chose you for one reason. You're the best there is. Now you know the score, so aim right and fly tight. The skies are anything but friendly tonight. \$34.95

*Taito Software, Inc., 390 Holbrook Drive, Wheeling, IL, (708) 520-9280*

## Skyblaster

Fast-paced 3-D air/ground combat simulation. Battle planes and tanks from your helicopter. Solid graphics and extremely challenging. Skyblaster will provide hours of entertainment for avid game players. \$14.95

*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Slaygon

Save the world from a toxic virus by destroying the Cybordynamics laboratory with your sophisticated military robot, Slaygon. Activate the Slaygon and prepare for the most important mission in the history of humanity. \$39.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

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## ◆ Sleeping Gods Lie

A dying priest of the Kobbold Old Way bequeaths a sacred quest: to find and wake N'Gnir, an Old God rumored to slumber in one of the farthest flung of Tessera's eight kingdoms. Battle your way through 94 landscapes, fending off demons and bandits, befriend princes and hermits, winning knowledge and strength as you travel. Arm yourself with slings and crossbows, protect yourself with camouflage and dragonskin, and find the Ring of Annihilation. \$49.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## Sliders

The rules of the game are simple. You have to try to score points by shooting a small ball into your opponent's goal area. The game play however, is intensely interactive requiring concentration, strategy, and skillful reflexes. Test the skills of an opponent or challenge the computer to any of the 12 different playing arenas. Develop advanced game tactics, managing the intense and fast-paced gameplay. Perform complex maneuvering, swift interception, defense, multiple ricochet, and instinctive shooting. \$49.95

*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Slip Stream

The nine streams of the Slip Stream have been overtaken by an alien race who have infested the planet with various defense space crafts. Each craft is powered by a crystal that lies at the end of each stream. Object: Liberate the nine streams by destroying each power crystal. After disembarking from the mother ship, destroy as much of the landscape and defense crafts as possible. Watch out for barriers! \$19.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Software Golden Oldies Vol.1

Four great games. Adventure takes you to the depths of the Colossal Cave, where you collect treasure, and try to outwit the perils that lurk in every crevice. Eliza will simulate your conversation with a psychiatrist, and analyze you with unnerving accuracy. In Life, you'll graph new life patterns. And then there's Pong, the first video game and a true classic. \$29.95

*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## ◆ Solidarity

In this political simulation game, you attempt to lead Poland to freedom in the face of tremendous Soviet military and economic pressures. Solidarity lets you take over as leader of Poland's workers union. You travel to the seven regions of the oppressed country, setting up demonstrations and strikes and directing your activists in support efforts. While money is low and equipment scarce, you must find the resources to set up printing presses, radio Solidarity, and uncensored TV stations. As you gain support, the government thwarts your efforts. Your timing, strategy, and policy choices will determine the fate of the nation. \$59.95

*California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030, (408) 378-0340*

## Solitaire

Solitaire is easy to play when you have a mouse to move rows of cards around. This card game is addicting. You may never play solitaire with a real deck of cards again! The only problem with this program, it won't let you cheat. Solitaire is totally mouse-operated and has built-in instructions that can be recalled any time during operation. \$34.95

*Software Factory, The, 4574 N. Linda Vista, Boise, ID 83704, (208) 378-0836*

## Solitaire Royale

Includes eight different variations: Reno, Corners, Golf, Pyramid, 3 Shuffles & a Draw, Klondike, Canfield, and Calculation. Plus three more children's games: Concentration, Pairs, and the Wish. \$34.95

*Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (415) 522-3584*

## Space Ace

Space Ace continues in the tradition of Dragon's with breathtaking graphics, animation, and sound brought to life on the Amiga. Our hero, Ace, is

being attacked by the evil commander Borf, who has just kidnapped Ace's girlfriend Kimberly. Borf's plans are to take over the Earth by changing everyone into babies using his dreaded weapon—the Infanto Ray. It is your mission to save Earth. Be valiant, space warrior, the fate of Earth is in your hands! \$59.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## ◆ Space Ace II: Borf's Revenge

Featuring full-screen animation and digitized sound, Borf's Revenge begins where Space Ace I left off—in the space ship of the evil Commander Borf with Borf having just been turned into a baby by our hero Ace. But just when you thought Earth was safe from the evil commander, his little henchmen, The Goons, have blasted Borf a second time with the Infanto Ray, bringing him back to his full age...and evil. Lead Ace through battles with the goons and other of Borf's allies until you must ultimately do battle with the evil commander himself. \$59.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## Space Harrier by Sega

Prepare for the most fantastic space battle ever in the home computer version of this classic Sega arcade hit. Zoom through a spectacular 3-D landscape as you fight off a myriad of bizarre creatures, including slithering serpents, fearless robots, and eerie stone masks throwing fireballs. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Space Quest I: The Sarien Encounter

Space-fantasy spoof featuring Roger Wilco, sanitation engineer turned interstellar swashbuckler who must save his planet against ship-napping Sarians. With 3-D animated graphics, new windowing system. \$49.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Space Quest II: Vohaul's Revenge

Roger Wilco returns in this Vohaul's Revenge sequel as a space hero trying to defeat the evil scientist, Sludge Vohaul. Colorful animated graphics. \$49.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Space Quest III: The Pirates of Pestulon

Once again Wilco is called to battle Pestulon pirates and to save two software authors, The Two Guys from Andromeda, from a shallow life of writing arcade games. \$59.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## Space Racer

Twenty-first Century racing game. The public's only excitement is the deadly Space Race Tournament. As Earth's champion, you must compete against three planets, three different tracks, and then the finals. Amazing 3-D animation! \$19.95

*Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263*

## Space Rogue

Sophisticated 3-D space flight simulation and intriguing role-play. Features superb graphics as you maneuver through twisting worm tunnels, turbulent ion storms, and dazzling shard fields. Lock onto streaking cruisers with your plasmatorps, zip through treacherous Malir gates as you seek your fortune as a merchant, pirate, or bounty hunter! Includes 90-page novella, reference card, map, and playbook. \$49.95

*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Space Spuds

3-D arcade game designed for use with Haitex' X-Specs 3-D Stereoscopic Vision system. Players confront an intergalactic food fight as fat-filled junk food assaults their shapeless ship. Colliding with the junk food causes players to gain weight until they explode. Haitex' X-Specs 3-D glasses offer a 3-D view of the assault. The LCD shutter glasses lug into the second joystick port. The system also allows users to create custom images. Package includes game, X-Specs 3-D glasses, Molecule 3D (a

display program), D3-D (displays static images), and Cubes 3-D, a game in which cubes dance right out of the screen. \$12K minimum. \$149.95

*Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518*

## Space War

Space War is outer space combat action at its best. One or two players fight it out for a sector of space. Space War follows in the tradition of classics like Asteroids™ and features arcade-quality graphics and sounds to enhance the heart-stopping action that surrounds your space-faring warship. Play alone or combat another armchair starfighter in the most exciting and dangerous sectors of deep space. Players have a choice of six different ships and four different space sectors. Features include two-player simultaneous play, animated menu screens with narrated digitally-recorded speech, digitized graphics, and giant animated objects. \$39.99

*Odyssey Software, P.O. Box 367, N. Eastham, MA 02651, (508) 240-2317*

## ◆ Spacewrecked—14 Billion

### Light Years from Earth by Gremlin Graphics

In this outerspace adventure, the Commander of the Regal Fleet Flagship sends a desperate S.O.S. A defective light speed jump brought the fleet of ships too close to a Wolf-Raet star going nova, and the Commander's fleet of biological survey ships is immersed in deadly radiation. All systems have failed, and alien life-forms are threatening him and his crew. Players must explore the 20 ships in the fleet, return all systems to 80 percent efficiency, capture the aliens, and steer the ships back to earth. \$49.95

*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## ◆ Speedball 2

Speedball, a futuristic sport game, combines basketball and hockey with teams made of steel and speed. This deluxe action game features two divisions, 16 professional squads, double playfield, star bonuses, electrobounce and legalized weaponry. Gamers can switch players to develop a stronger playing field. Armor and weaponry are readily available for the taking and wearing, until players are tackled and the armor loosens and falls off. \$39.95

*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Spellbound

Just as you were about to advance a grade in the school of magic, your tutor goes and gets himself kidnapped. You have to rescue him or you'll never graduate. Battling through eight diverse and dangerous lands, collecting spells and objects along the way, you use your limited magic powers to fight off deadly adversaries to free your tutor. But it's going to be a tough task on your own: take a friend along to increase your chances and double the fun! \$39.99

*Psychosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## Spherical

Enjoy tantalizing puzzles, terrifying pitfalls and blistering joystick action, with more than 100 different levels in both one- and two-player mode. Use your magic wand to create and remove blocks of stone to make a path to new levels for the magical crystal ball. Ghosts, spiders, dragons and other creatures try to block your way as you scurry across the screen, picking up magic potions, power capsules, gravity-reversing diamonds, invincibility tablets, and more. All this as you guide the crystal to its new home, in a race against the clock. \$24.95

*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

## Sport of Kings

Formerly Omnipay Horseracing. The thoroughbred in all it's splendor and grandeur brings you all the thrills of this royal sport. \$19.99

*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Spot

Spot comes alive and boogies across your computer screen with commercial-quality graphics and sound. Fully-animated game pieces. One to four player modes, played against your friends, computer players, or a mixture of both. Nine selectable levels of



computer skill. An on-screen playfield designer lets you can customize your own game or select your personal favorite playfield from the 512 pre-programmed playfields. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Stable Owners Option Module

By adding the Stable Owners Option Module to your original Omni-Play Horse Racing game, you'll now enjoy the Sport of Kings from a whole new perspective. The Stable Owners Option Module allows you to join the elite class of thoroughbred ownership giving you control over the destiny of your own horses. The stakes are high, but so are the rewards. Experience firsthand the trials and tribulations of being stable owner. Put together your own personal stable of Claiming, Allowance, and Stakes Horses. Hire jockeys and match their skills against the competition as you now enter them into the races of your choice. The Stable Owners Option Module provides true fans with in-depth challenge and strategy. Up to four human players can participate at the same time against other computer opponents. \$14.95  
*SportTime Computer Software, 3941-E So. Bristol St. Ste. 551, Santa Ana, CA 92704, (714) 966-0207*

## Star Control

An action/strategy game. Star Control is set in Earth's future where a 3-D rotating star cluster is your battleground. The large star cluster cannot accommodate all the alien races which make up the Ur-Quan Hierarchy and the Alliance of Free Stars. As a one or two player game you may select battle cruisers from the Hierarchy or Alliance. Star Control contains nine different strategic scenarios each with varying starting and victory conditions. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Star Wars

Based on the George Lucas blockbuster, the game pits Luke Skywalker against the Empire's Death Star. \$39.95  
*Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263*

## ◆ Starflight

The year is 4619. The mission: find colonizable worlds, gather minerals and ancient artifacts, and learn the secrets of alien races. As commander of an interstellar spaceship, players train a crew of up to six members from five alien species: humans, androids, insect-like Velox, reptilian Thrynn, and Elowan, a race of intelligent plants. A built-in fractal generator treats players to beautiful color animation that brings unprecedented realism to rotating planets and landing sequences. It includes 270 star systems and 800 planets. \$49.95  
*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Stellar 7

A futuristic arcade game, Stellar 7 combines strategy, hi-tech weaponry, and seven levels of action as players become the earth's only hope against invading Arcturan forces. At the controls of the earth's most sophisticated fighting machine, players will battle forces on seven worlds, and engage in hair-raising final confrontation with Gir Draxon, the supreme overlord of the evil Arcturan Empire. Users can choose between mouse, joystick, and keyboard support. Three-disk set, 32-color graphics, full sound support, and digitized voice. \$34.95  
*Dynamix, division of Sierra On-Line, 99 W. 10th, Ste. 337, Eugene, OR 97401, (503) 343-0772*

## Stellar Conflict II

Time is running out on the world. As emperor of the world, you must build up and deploy a fleet of starships to conquer the galaxy planet by planet. Establish galactic empires using cunning and strategy. A true role-playing game! \$39.95  
*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

## Stereo Master

Stereo Master allows you to load into your Amiga any amplified sound, and then manipulate that sound or use it in your own programs or demos. With Stereo Master you can record a sound from cassette, CD, or microphone. Once loaded into Stereo Master's editor, you can cut the size of the sample, change the playback speed, fade in/out, and much more. Once you have the sample how

you want it, you can incorporate it into your own demos or programs, or use Stereo Master's own sample sequencer to play back the sample. The on-screen display includes a 2-D editor window, Scope, and Equalizer. \$59.95  
*MichiTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Storm Across Europe

It's 1939: The fate of Europe is in your hands! The blitzkrieg that Hitler unleashed in 1939 swept across Europe like a terrible storm that raged for six years. Now SSI has designed this fast, exciting game that allows you to simulate the entire war on a grand strategic scale—in as short as one evening! Multiple scenarios and the ability to change starting levels for each country allow for endless variations. Up to three players can play this game, with the computer able to control the Allies and/or the Russians. \$59.95

*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## ◆ Stratego

In the computer version of Stratego, one player competes with the computer. As in the traditional game, each opponent is provided with a 40 piece army made up of officers ranked in importance according to their position in addition to one spy, six bombs, and one flag. Each opponent secretly sets up one side of the game board or battlefield, planning a defense and an offense. The objective is simple. Whichever side captures the opponent's flag first wins the game. The computer version leverages the ability of the computer by providing strategists with custom game boards and piece sets, a library of game set-ups, multiple levels of difficulty and digitized sound effects. \$49.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Street Fighter

Do battle in the back alleys of the Big Apple. In the shadow of ancient Chinese temples. In not-so-jolly old England. And win the grudging respect of eight of the toughest, meanest street fighters on the planet. Forget all the rules. This is strictly survival of the fittest. You'll need power, speed, and plenty of street smarts. Watch out for Geki and his Ninja weapons, Birdie's lethal head butt, and the flying scissors kick of Gen. You've got a few tricks up your karate sleeve; a martial arts arsenal that includes hurricane kicks and dragon punches. Don't hold back for even an instant. No holds barred, best two out of three competition. Fight in England, China, Japan, or the U.S. \$39.95  
*Capcom, U.S.A., 3303 Scott Blvd., Santa Clara, CA 95054, (408) 727-0400*

## Street Rod

The complete 50's hot rodding simulator/construction set. Choose from among 25 authentic street rods from a '32 Deuce Coupe to a '63 Vette and customize them with over 35 performance parts. Then cruise down to the drive-in to challenge the locals to either a drag or road race. Win enough bets and pink slips and you may get a shot at the local 'king of the streets'. \$49.95  
*California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030, (408) 378-0340*

## ◆ Street Rod 2

Car savvy, driving skill and race winnings take you from high-school senior to King of the Road. Street Rod 2 is an expanded construction set and racing game. This advanced driving simulator for the Amiga blends stunning bit-mapped and vector graphics to heighten the racing experience. The player uses driving know-how and race winnings to put together a real mean machine. Then it's a test of his racing skill as he faces three new and demanding courses. By beating all the local challengers, the player at last takes on the King of the Road in the final shut-down. With 25 cars and over 60 spare parts to buy and sell, the player can spend a whole summer with a wrench in his hand. \$39.95  
*California Dreams, 130 A Knowles Dr., Los Gatos, CA 95030, (408) 378-0340*

## Strikes Aces: International Bombing Competition

In 1984 the skies of North and South Dakota rumbled with the deafening sounds of the world's most powerful attack aircraft as they participated in competitive operations. For this epic event, the

armed forces of each of the NATO/WARSAW pact nations were invited to bring their top gun pilots and their best strike aircraft together for a Strategic Air Command (SAC) Bombing Competition. During these extraordinary operations, top gun crews participated in a series of air-to-air and air-to-ground strategic missions, wherein priceless training was received. In this new flight simulation, players recreate this 1984 competition. Combining combat, strategy, and a wide range of challenging strike missions with detailed replicas of 13 different aircraft, Strike Aces allows computer pilots to take to the controls of six aircraft, including a Russian MIG, on 16 different combat intensive missions. \$49.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Strip Poker III

Strip Poker III offers three new opponents who take you on in a challenging game of poker with some very different table stakes! You can play against one, two, or three opponents simultaneously. The graphics have been extensively updated, using the Amiga's hold and modify (HAM) graphics capability to produce life-like displays. During play, all opponents are shown, with one opponent occupying a large play area and the others displayed in smaller windows. These windows can be swapped with the main opponent display at any time. The program uses digitized speech to better define each opponents personality. Additional data disks are available for \$24.95. Requires 1MB. \$49.95  
*Artwoorx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Stryx

Stryx has been designed to have the smallest animated characters without losing detailed definition, so creating the maximum playfield on screen at once. With members of the cast around two-thirds of the size of those found in Barbarian, Stryx is able to feature a substantial number on screen at any one time. Involving three distinct graphic levels and eight-way scrolling, the action-packed strategy game sees the warrior hero Stryx in a fight to the death against Cyborg robots hell-bent on destroying their human masters. Half-man, half-robot himself, Stryx faces the ultimate challenge of recapturing from the Cyborgs the keys to the lifeforce, the fail-safe extermination system developed to prevent such a machine uprising. Only by solving the graphical puzzle can he deactivate the robotic assassins who are wandering the Dome Cities seeking out human life, and ruthlessly destroying it. \$34.95

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## ◆ Stunt Island:

### The Flying and Filming Simulation

An island paradise is the setting for a brand new kind of simulation. The island complex was designed for the express purpose of staging and filming the most exciting and dangerous aerial stunts. Players will move up the ranks in either film making or stunt flying as they learn from the best of the best. P-51 Mustangs, the Pitts Special and other planes are at the player's disposal to try the hottest stunts imaginable. As a film maker, the player will learn camera placement, choreography, directing, and editing in pursuit of producing the ultimate thrill movie. Stunt Island is a simulator that can be creative as well as exciting. \$59.95  
*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360*

## Stunt Track Racer

Race over 200 miles per hour on a narrow track hundreds of feet high, with all the twists and turns of a roller coaster but without the guard rails. You are up against drivers who know these turns and who know how to fly. You're racing to win, and on the stunt track circuit, winning is everything. \$39.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Sub Battle Simulator

World War II simulation. Patrol over 20,000 nautical miles as you perform over 60 different missions including seek-and-destroy, rendezvous, and much more. Use any one of six American or German subs. \$19.95  
*EPYX, 500 Allerton Street, Redwood City, CA 94063, (415) 368-3200*

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Users Groups
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## ◆ Suez '73

Modern day strategic simulation with full color graphics and digitized sounds. Based on the GDW boardgame of the same name, the game will cover the Israeli-Arab conflict of 1973. Requires 1MB. \$49.95  
*R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399*

## Super C

Never, not even in the original arcade version, has computer warfare been this devastating. At every level Red's assault will intensify as he punishes Earth with tanks, electro zappers, and an army of alien annihilators. These ruthless characters are so tough, they often engulf half the battlefield! Features simultaneous play for two or play against the computer. Joystick controlled. \$19.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## Super Games Pak

Three high-quality arcade games for a single low price. In Deathbots, you must infiltrate an enemy research center and destroy the all powerful Gamma bomb, but look out for the deathbots who guard the complex. Jailbreaks is a fun, fast-action Breakout™ game with 100 levels and a custom level editor built in. Byteman puts a Bit-muncher in a giant 8-direction scrolling maze crawling with baddies. All three games feature great graphics, digitized sound effects and were written in 100% Assembly language for lightning-fast execution speed all arcade gamers demand.

*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Super Hang-On

Nobody can resist the pure temptation to go just a little faster or push a little harder. In this outstanding arcade translation, we do just that. We put gamers on the edge and challenge them to live there. Enjoy fast-paced motorcycle racing action, where riders race on four different continents, each representing different levels of skill and difficulty. True-to-life animations of bike and rider. Full-screen track representation. Turbo mode gives the true feeling of speed, and responsive acceleration to enhance playability and excitement. Nothing can compare to the feeling of anticipation and power as man and machine perform. \$44.95

*Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080*

## Super Huey

Helicopter flight simulator; explore unknown territory and map the terrain. Combat using rockets and machine guns to defend a secret desert installation from unknown hostile forces. Your assignment is to locate and attempt a pick up of stranded military personnel, while learning the techniques of flying and familiarization of instruments. Joystick recommended. \$14.95  
*Cosmi Corporation, 431 N. Figueroa St., Wilmington, CA 90744, (213) 835-9687*

## Super Off Road

Strap on your helmet, grit your teeth, and prepare to master mud heaven with Ivan Tronman Stewart's Super Off Road. Shake, rattle, and roll your way through mud holes, jumps, matchoffs, and spin-outs in the closest thing to genuine short-course racing you'll ever experience. Race up to three players at the same time. Go wheel-to-wheel on eight different stadium tracks and a total of 16 configurations. Trade winnings for accessories at the speed shop to improve your chances at victory. Enough rough and tumble racing excitement to turn you into a lean, mean, off-road machine. \$39.99  
*Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710*

## Supercars

Add on car disk for The Duel containing the newest models of production cars including: The '88 Lamborghini Countach 5000s; the '88 Lotus Turbo Esprit; the Ferrari Testarossa; the Porsche 911 RUF, and the '89 Corvette ZR1. \$21.95  
*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Superman: Man of Steel

You are the Man of Steel, but countless challenges await you. An endless siege of earthquakes and volcanoes are rocking Earth; terrorists have hijacked a yacht with Lois Lane and the governor on

board; and two of your most dangerous enemies have struck an unholy alliance. The clock is ticking with only hours left to save the world. \$39.95  
*Intracorp, Inc., 14160 S.W. 139th Court, Miami, FL 33186, (800) 468-7226*

## Superstar Ice Hockey

Sharp graphics and realistic play put you into the middle of the action of this sports simulation. Make the trades, recruit players from the minors, conduct training camps, make line changes, call strategies, and compete against your opponents in this multi-dimensional game. You act as player, coach, and manager. \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Swap

A sophisticated puzzle game based on squares, triangles, and hexagons. Swap them at will. The goal is to eliminate each shape by bringing two identical ones side by side. The level of difficulty becomes more complex as you move from an environment of squares through to hexagons. You will encounter more than 300 levels of play, millions of layouts, and billions of combinations. The game has two modes, practice and competition. \$49.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Sword of Aragon

The Duke of Aladda has died and left his last will and testament to you, his only child and heir. The Duke's legacy is a gallant one, replete with deeds of valor in the defense of Aladda. By his efforts, the former capital of the western realm of the Aragonian Empire has returned to a proud state. It is your father's deepest wish that you once again extend Aladda's dominion and eventually sit on the emperor's throne in the city of Tetrada. \$49.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

## Sword of Sodan

Sparkling graphics with animated, screen-sized characters and dual roles let you challenge the odds as hero or heroine! \$34.95  
*InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266*

## Sword of Sodan II

Free T-shirt in box! Multi-directional screen-sized characters. Two-player simultaneous action to compete in superior game play. Supports 1MB. \$49.95  
*InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266*

## TRUMP CASTLE

The ultimate casino gambling simulation: Trump Castle includes six of the most popular games: black-jack, roulette, craps, keno, nine varieties of slot machines including progressives, and video poker. From the 3-D animation of the roulette wheel and the dice at the craps table to nine different slot machines, varying table limits and range of chip values, Trump Castle brings real-life casino play to a home computer. \$39.95  
*Intracorp, Inc., 14160 S.W. 139th Court, Miami, FL 33186, (800) 468-7226*

## Table Tennis Simulation

Table Tennis Simulation features singles and doubles games against the computer or with or against a human partner. Play in the World Championship against a select group of players—or up to 20 players. All techniques available: block, topspin, slice, high serves, net attacks; choice of paddle cover; saving and loading of rankings; training against a ball machine; etc. \$34.95  
*DigitTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## ◆◆ TableTop Treasury

The TableTop Treasury is a five-disk compilation of 29 of the best freely redistributable board, card and mind games for the Amiga. Included are Solitaire, Golf, Monopoly, Clue, Sorry!, Mosaic, Tiles, YahZeel, AmigaTration, HuskerDu, Trek Trivia and 18 more. Available direct and through computer retailers. Available for NTSC. Amiga 500-3000/512K; one floppy drive minimum; 1.3 and 2.0 compatible. Other sets available. Call for details. \$14.95  
*Digital Expressions, P.O. Box 33656, Cleveland, OH 44133, (216) 582 0910*

## Talespin

Talespin is a package which combines drawings, texts, and sounds into a series of pictures to form an interactive adventure game. \$49.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Tangled Tales

Cast in the role of a wizard's apprentice, the player is given three progressively difficult tasks to accomplish as proof of their wizardly worthiness. Before long, discover an outlandish world that includes haunted houses, medieval fortresses, and contemporary country farms. From a few hours to a few days of time-tripping fun and excitement. Travel through time, across continents—even use a magic carpet! \$29.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Tanglewood

Control five mining mobiles, each with its own programs and data. Search the planet Tanglewood for the priceless 3-D crystals. Problem solving in real-time, with over 1,200 locations to visit. Mouse-controlled, no text entry. Success depends on your problem-solving ability and dexterity. \$19.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Tank Attack

Up to four players may take the role of the commanding General of a country's Tank Corps with an objective to capture the enemy headquarters. The computer issues all movement orders, battle results, the status of each unit, and a daily newspaper which gives a full report. Players form allies before war is declared. The program comes with a 17-inch x 17-inch playing board and 48 playing pieces. \$29.95  
*Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573*

## Targhan

Win the ultimate battle of good vs. evil in the adventure of a lifetime! Be Targhan, the barbarian on the search for the evil one. Battle 40 different life-like creatures, each massive and detailed; explore 120 different landscapes, indoors and outdoors; use special weapons; drink potions to use the wizard's magic; fight giant dragons. \$39.95  
*DigitTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## ◆ Team Suzuki

Live the sensation of a Grand Prix season with Team Suzuki, a first-person motorcycle racing simulation with 125cc, 250cc, and 500cc Suzuki motorcycles and 16 challenging circuits.  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## ◆ Team Yankee

Distributed by ReadySoft, presented by Empire, Team Yankee is the definitive action simulation of modern tank warfare. Watch scenarios unfold on 3-D battlefields with high definition graphics and keep track of the four tank platoons you control using the unique four quadrant display. Defend Hill 214 from Yuri Potecknov's crack tank platoons, attack Objective Link through sniper fire from forests, protect the Gap from an entire Soviet tank battalion at night. Five major scenarios based on the battles featured in the New York Times No. 1 best seller, Team Yankee. \$59.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## Teenage Mutant Ninja Turtles

Team up with these heroes on a halfshell, armed with wacko bombs and armed blimps, as you fight off the Evil Foot Clan. Joystick controlled. For one player. \$44.95  
*Ultra Software Corporation, 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111*

## ◆ Teenage Mutant Ninja Turtles: The Arcade Game

A made for home computer version of the original coin-op game. Two-player simultaneous action for ultimate Turtle Power. Battle through eight levels. Guide the Turtles on skateboards and through burning buildings. Save April and defeat Shredder while battling over 600 enemies. \$49.95  
*Konami, Inc., 900 Deerfield Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

## TeleEpic

The medieval version of the ultimate strategy war game. Instead of commanding tanks and artillery, you lead a band of heroes waging war against your mortal foe. Test your skills wielding a mighty axe or sword. Throw a dagger or check your accuracy as an archer. \$39.95

*Software Terminal, P.O. Box 123225, Fort Worth, TX 76121, (817) 737-3297*

## TeleGames

Like all our 'Tele' products, TeleGames provides the enjoyment of competition without the problem of where to play. Competition is enhanced with smooth 3-D perspective graphic animation and digitized sound effects. Players may compete on one computer or 'TeleConnect' via modem. \$34.95

*Software Terminal, P.O. Box 123225, Fort Worth, TX 76121, (817) 737-3297*

## TeleWar

Strategy war game for two players at one computer or over the telephone. Destroy the opponent's headquarters. \$39.95

*Software Terminal, P.O. Box 123225, Fort Worth, TX 76121, (817) 737-3297*

## Telewar II

The Ultimate War Game Revisited with new terrains and enhanced gameplay features. Experience the ecstasy of blasting your best friend to rubble or disintegrating someone you don't even know. Watch out! You may be the next casualty peering out of a twisted pile of smoldering steel. \$39.95

*Software Terminal, P.O. Box 123225, Fort Worth, TX 76121, (817) 737-3297*

## Tennis Cup

Race into the fast-paced world of international professional tennis. Hit top-spin shots, lobs, deep volleys, overhead smashes, and drop shots to any part of the court, as you play on grass, clay, the hard court, or indoors. Match your skills against a friend, or the computer. With variable player skill levels and selectable game speed options, Tennis Cup is appropriate for all ages. \$39.95

*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

## Terrain Editor

Custom design your own landforms for SimCity. Modify existing landforms. Place rivers, forests, coastlines, and bare land where you want them. \$19.95

*Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700*

## Test Drive

Driving simulation lets you drive one of five sports cars. Game ends early if you drive too slowly, go off the road, or get pulled over. \$19.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## Tetra Quest

Before the first galactic games can start, you must recover the stolen six Phoenix Tablets. They've been stolen by the Tetroids, who weren't invited to participate. If you can recover the Tablets, Phoenix, the sun god will make you a Phoenix and you'll soar above the four-level world. Space-age action. \$19.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## Tetris

Requires fast thinking and quick reflexes. A variety of shapes descend from the top of the screen, player manipulates shapes into position to form solid rows. Challenge and speed increase at higher levels. \$34.95

*Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (415) 522-3584*

## The Adventures of the Amazing Benson Boys

An interactive multimedia adventure game. Join the boys in their quest for lost cities, endangered animals, hidden treasure, space exploration. Participate as a member of their expedition helping them to overcome obstacles and hardships. \$49.00

*Knowledge Media, 436 Nunneley, Paradise, CA 95969, (916) 872-3826*

## The Bard's Tale III: Thief of Fate

Someone or something has sealed the city's fate with an evil so vast that a host of Paladins and an army of Archmages are outmatched. Hard times

call for subtlety. Smaller is better. Sneakier is best. What the world needs now is a thief. A compelling role-playing adventure with over 13 character classes and 80 dungeon levels. \$49.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## The Bard's Tale II: The Destiny Knight

A new Bard story with a new villain—the Archmage. More dungeons, clues, monsters, wilderness, and more. \$19.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## The Black Cauldron

Based on the popular Walt Disney movie. Several game solutions, music, and 3-D color graphics. \$39.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## The Blue Max-Aces of the Great War

The Blue Max-Aces of the Great War recreates the excitement and challenge of air-to-air combat over France during 1917. There is enough dog fighting action combined with strategy to satisfy both the novice and the experienced game player, with 32 colors and digitized sound. \$49.95

*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## The Cardinal of the Kremlin

Anti-missile defenses and satellite technologies provide the central action in Tom Clancy's novel, The Cardinal of the Kremlin. In Capstone's computer simulation, players are challenged to develop these strategic defenses for America—manipulate a myriad of international forces, deal with espionage, terrorism and global politics—to win the technological race against the Soviets. See CDTV section also. \$49.95

*Capstone, 14202 SW 136th Street, Miami, FL 33186, (305) 252-9040*

## The Chessmaster 2000

Library of over 71000 moves, boasting 12 different levels of play from Newcomer to Grandmaster, including Teach and Hint. Players can play against the Chessmaster or select the Two People mode and have the program referee. It allows players to take back moves, show captured pieces, print games, replay games, solve problems, or watch great matches from the library. Complete with booklet. \$44.95

*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## The Chessmaster 2100

Whether you're just learning chess or you're a true pro, this is the game for you! We took the award-winning Chessmaster 2000 and made it even better...the result is a magnificent chess program that contains every option that skyrocketed 2000 to the top of the charts and more! Chessmaster 2100 offers an unlimited number of levels, triple the number of features, more and different classic games, and even greater in-depth analysis. \$49.95

*Software Toolworks, The, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## The Colonel's Bequest

The Colonel's Bequest is the first of a new series of Laura Bow mysteries. As college coed Laura Bow, daughter of a New Orleans police detective, you spend the weekend with your schoolmate at her uncle's bayou mansion. It seems the family has gathered for the reading of patriarch Colonel Henri Dijon's will, and the group learns it will share in the old codger's wealth...if they outlive him! Call company for details. Requires 1MB. \$59.95

*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## The Colony

Enter The Colony and embark on an adventure so real and so unique that you melt into the environment. Players become the space marshal who must explore a six-level colony to rescue survivors from a planet overrun by aliens. Combining action, strategy, and the most advanced 3-D algorithms in home computing gaming. This is the adventure game that captures science fiction at its best. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## The Crossword Creator V1.1

Version 1.1 allows you to design, save, and print your own crossword puzzles. Fast 87,000 word pattern-matching dictionary. \$49.95

*Polyglot Software, 884 W. Melrose Lane, Boise, ID 83706, (208) 336-4583*

## The Cycles

Motorcycle racing simulation. Includes the actual international Grand Prix courses, three performance classes, and five different skill levels. You compete against nine world-class Grand Prix riders. \$49.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## The Duel: Test Drive II

Racing simulation. Head-to-head racing with the world's two fastest (200 mph.) production cars: The Porsche 959 vs. the Ferrari F40. \$49.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## The Enigma Device-A Game of Cryptograms

A traditional word game of cryptograms based on Hitler's infamous WW II German secret code machine named the Enigma Device. Up to 20 players at a time solve word puzzles (simple substitution ciphers). The game tracks performance histories of all 20 players for solo, family, or group fun. Users can create their own cryptogram puzzles, entered from newspapers, magazines, and other sources, for use in the game. Over 1000 cryptograms are included on disk. Choose from many interesting categories including Quotations, Rhymes, Murphy's Laws, Definitions, Wisdom, Proverbs, and Great Thoughts, etc. Cheat button allows one clue per cipher. Comprehensive manual provides extensive help tables. \$39.95

*King Publishing, 1200 Treadway #226, Austin, TX 78704, (512) 448-2414*

## ◆ The Entity

Three levels of playfield make this game unique. Features include nine layers of parallax scrolling, over 200 colors on a screen at one time, big screen-sized intelligent monsters that each have different weak spots to find in order to eliminate each monster, and four upgrades of weapons. Arcade quality graphics and animation. \$49.95

*InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266*

## The Game of Harmony

In this arcade game for the new age, players use a combination of strategy and concentration not to annihilate objects on the screen, but to keep them from blowing up. A one or two player game, players control a single spinning sphere, referred to as 'the seeker', on a screen filled with constantly moving, multi-colored orbs. The object is to create synergy by strategically maneuvering like-colored orbs together before they explode with tension. If two orbs of differing colors are allowed to synergize, they will create a small pod that can be gobbled up for energy if you act fast enough. Otherwise, this pod will expand into a completely new orb. Accompanied by randomly generated musical scores, the game contains 50 progressively challenging configurations (levels) randomly arranged with orbs which glide around the screen while you attempt to gain points, and eventually ultimate harmony. \$29.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## ◆ The Godfather

A computer adventure which captures in graphic and blood chilling detail, the atmosphere of the Godfather trilogy. \$49.95

*U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

## The Gold of the Aztecs

For 400 years no one has dared to take up the toughest challenge man has ever known—to find Quetzacotl's Gold of the Aztecs. No one has dared, that is, until today. Bret Conrad, ex-Special Forces Commander is bored. His combat training has made mortal danger a way of life, and he's been looking for a death defying mission that he can really sink his teeth into. Over 80 screens of non-stop action and devious puzzles, 7,000 frames of animation, and 600K of music and sound effects. \$49.95

*U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

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## The Hound of Shadow

The Hound of Shadow features a new role-playing system called Timeline. You begin by creating a Timeline character. You choose the character's sex, nationality, one of nine professions, and an assortment of skills from over 50 possibilities. As you play the game, the character's attributes affect the events—maybe even the outcome—of the adventure. The difference might be subtle, such as receiving an extra clue through special skill in history, or the plot may change dramatically. You can even use your character in other Timeline adventures, and his or her experiences will be recognized in the adventure. The adventure is set in England in the 1920s—a country recovering from the ravages of war. It was a time when extremes of wealth and poverty rubbed shoulders, and it was fashionable to cultivate an interest in spiritualism and magic. \$19.95

*Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## The Hunt for Red October

The ultimate submarine simulation game! Armed with 26 SS-N-20 Seahawk missiles, this Soviet killing machine is capable of destroying 200 cities. Equipped with the unique Caterpillar propulsion system, detection of the Red October is nearly impossible. Your mission: to defect to the West. Test your brilliance in stealth, evasion, and navigation as Commander of the Red October!

*Software Toolworks, The , 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## The Island of Lost Hope

Island of Lost Hope is a graphic adventure game with a multiple-word parser, full keyboard and mouse interface, and an impressive array of graphics, animation and sound. You are a young captain trying to find the lost treasure of The Forgotten Souls, but are ambushed by a band of cutthroat pirates led by the infamous Captain Black. Your ship was sent to the bottom of the ocean and crew lost. You are washed ashore on a tiny islet and left to die. Now you have nothing but your cunning to complete your quest. Along the way you face numerous obstacles and perils, including bloodthirsty pirates, giant rats, and snakes, all leading to your final showdown with Captain Black. Two-disk set. For 512K Amiga one disk drive. Recommended for 1MB. A1000 owners note—half-byte recommended. Distributed by Mainstream America. \$39.95

*Digital Concepts, 43035 Hayes Road, Ste. 229, Sterling Heights, MI 48078*

## The Keys to Maramon

The world of The Magic Candle has many tales to tell. The Keys to Maramon is one of the best—a tale of action, bravery, danger, and excitement. Join the tale yourself! Excite your brain and your finger to the max, and return with the keys to the city—The Keys to Maramon. \$44.95

*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## The Killing Game Show

Set in an alien solar system where all violence has been eradicated, the hottest inter-planet TV game show is The Killing Game. In this game competitors are selected from each planet and have to negotiate the defenses on opposing planets. These play areas are all based inside cylindrical arenas which are slowly filling with water. The object is simply to reach the exit at the top of each cylinder without being destroyed. The player will take the part of a competitor from one of the planets involved. They will travel between the various worlds taking the challenge of the natural terrain of each planet. The arenas will vary from planet to planet. Some will be made of Caverns, Roman Temples, Organic Materials, and other forms. There will be eight planets, and three cylinders on each planet making 24 levels in all. \$44.99

*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

## The Last Inca

The evil wizard Zulphosi was held captive under the rule of the three wizards from the new islands. After the last real wizard there died, he managed to escape. He now seeks revenge against the Inca people for their allegiance to the three wizards. Will you be the one to challenge Zulphosi? \$39.95

*Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609*

## The Legend of William Tell

Perched on top of your young son's head, the shiny red apple seems to dance in the crossbow's sight. Sweat trickles into your eyes as you strain to keep the target absolutely still. A miss destroys your only son, but split the fruit and you both live to fight for freedom another day. No one said it would be easy. Travel through more than 100 unique and colorful screens while befriendng or fighting monks, castle guards, wolves, and others. Engage your enemies with a variety of weapons, including three different crossbows that you can aim using the unique 'crossbow targeting window.' \$24.95

*Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031*

## The Magic Mountain

A strange, weird world on the Sacred Mountain. Essentially, the program is an apprenticeship in the shamanic tradition using the dramatic setting of the mountain. Not for the young or timid. The program is for those who glory in the power of their own minds to create themselves and the worlds around them. Male or Female version \$29.95 each. \$39.95 for both.

*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

## The Plague

Purge the planet from plague-infested mutants in this incredible new game! \$39.95

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## The Revised Ultimate Hint Kit Vol. I

TRUHK contains over 35 walk-thrus, 60 detailed maps. Also included are game and character editors for various games. Requires 512K. \$19.95

*Elkon Enterprises, 4654 Mistletoe, Wichita Falls, TX 76308, (817) 691-0964*

## The Revised Ultimate Hint Kit Vol. II

TRUHK II contains walk-thrus for Drakkhen, Might & Magic and most of the Sierra games. TRUHK II has over 60 detailed maps. Maps for Infestation, Persian Gulf, Champions Krynn, Stryx, and more! TRUHK II includes game patches for unlimited lives or power for Persian Gulf, Infestation, Teenage Turtle, Killing Game Show and more! TRUHK II also contains character editors for Might & Magic, Drakkhen, Champion Krynn. Requires 512K. \$26.95

*Elkon Enterprises, 4654 Mistletoe, Wichita Falls, TX 76308, (817) 691-0964*

## ◆ The Rocketeer

He never intended to become a hero, but then most people don't clash with Nazis and have G-Men on their tail while trying to rescue their kidnapped girlfriend. The Rocketeer must face all of this and more in this action/strategy game from Disney Software. Set in the 1930's, The Rocketeer lets players fly vintage aircrafts and pit their brawn and wits against Nazi henchmen. Players will also be able to fly the experimental Cirrus X-3 rocket pack. \$49.95

*Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360*

## The Scrolls of Talmouth

First in a series of quest disks for Paladin, the animated fantasy game. Each quest disk includes 16 games, all linked into one grand quest. Mages, swordsmen, rangers, and thieves will put you to some difficult tests on your path to knighthood. \$24.95

*Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032, (203) 678-7679*

## The Secret of Monkey Island

The late 1600's were the best of times for pirates. Secure in their Caribbean strongholds, they amassed huge fortunes plundering shipments of New World gold. Tales of pirate wealth attracted many adventurers, among them our hero, who lands in the port of Melee with high hopes, no money, and an insatiable curiosity. If he's clever enough, he will win the confidence of Melee's pirates and soon find himself blown by the winds of fate toward the terrifying and legendary Monkey Island—an adventure that would chill the bones of even the most bloodthirsty buccaneer. \$59.95

*Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927*

## The Secret of Monkey Island

High-quality color graphics, enhanced point-and-click interface. Improved graphics, including character scaling. Original reggae musical score. Loaded with humor and colorful characters. \$59.95

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## The Terminator

The story of a superhuman cyborg sent back through time from a hellish future where man's very existence hangs in the balance and machines rule the earth. His mission—to destroy the mother of the one man who is destined to save mankind. \$39.95

*Bethesda Softworks, 15235 Shady Grove Road, Suite 100, Rockville, MD 20850, (301) 926-8300*

## The Third Courier

This role-playing game takes players to the city of Berlin where you assume the role of Moondancer, the free world's best secret agent. Your mission: recover stolen NATO defense plans. Two of the three NATO couriers who were handcuffed to the plans now lie on marble slabs in a morgue. Each was carrying a crucial component of the NATO non-nuclear defense plans—a computer chip, a floppy disk and a CPU. You have seven days to search for the Third Courier and locate each of the three components before they fall into the wrong hands. \$49.95

*Accolade, 550 S. Winchester Blvd. Ste. 200, San Jose, CA 95128, (408) 985-1700*

## The Twilight Zone

You're traveling in another dimension. Not only of sight and sound, but of mind. Where shadows of reality mix with images of nightmares...There's a signpost up ahead...The next stop...The Twilight Zone. Participate in several stories that, at first, may seem unrelated, but eventually weave themselves into a single complex plot. Distributed by Mainstream America. \$39.95

*First Row Software Publishing, 257 St. James Pl., Philadelphia, PA 13106*

## The Untouchables

Based on the smash-hit movie. The Untouchables virtually blasts its way onto your computer screen. The game's spectacular busts, raids, shootouts, and duels put you in control of Eliot Ness' elite squad of Mafia-busters. You'll relive the knife-edge existence of these fabled lawmen as they crusade against lawlessness and injustice through the crime-in-

festes streets of Chicago in the 1920's. Take on the Mob as you lead the Untouchables on their most difficult mission ever. Every minute contains explosive action and intense adventure, and a thrilling denouement ends the game. \$19.95  
*Ocean Software Ltd., Distributed by Electronic Arts, 1855 O'Toole Ave., Ste. D-102, San Jose, CA 95131, (800) 245-4525*

## Their Finest Hour: The Battle Of Britain

During the summer of 1940, wave after wave of German fighters and bombers pummeled RAF bases in southern England. Now you can capture the aerial heroics on both sides of the conflict. Fly Spitfires, Hurricanes, Messerschmitts, and German bombers in 3-D air combat so real you can almost feel the gunfire. See exciting replays of your combat exploits from any angle in real-time or freeze-frame. You can even save them on disk. Includes photopacked 180 page manual. A fitting tribute to the 50th anniversary to the Battle of Britain. \$59.95  
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Theme Park Mystery combines adventure and strategy levels with unusual clue-bestowing segments. A complex, multilevel mystery that transforms you into different characters and sends you through four warped worlds; Yesterdayland, Futureland, Dreamland, and Dragonland. Detailed character animation and background graphics give Theme Park Mystery a unique polished look. Captivating sound effects set the tone for Theme Park Mystery. \$49.95

*Konami, Inc., 900 DeerField Parkway, Buffalo Grove, IL 60089-4510, (708) 215-5111 support*

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Pilot your armored robot through caves, cargo holds, and spaceship interiors. Transform Thexder into a jet. Over 20 kinds of aliens, hi-res artwork, synchronized soundtrack. \$34.95  
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## Thud-Ridge

You lead Wild Weasel in a modified Thud, and F105 Thunderchief. Only one thing stands between you and Hanoi—Thud Ridge—40 miles of rolling terrain leading straight downtown. Being a Thud Driver demands nerve, skill, and raw courage. Master the 10 actual missions. If you've got the guts, this is your game. \$44.95

*Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525*

## Thunder Blade

Control the world's most sophisticated attack helicopter in the home-computer adaptation of Sega's #1 blockbuster arcade hit. Fly over skyscrapers, mountains, deserts, and the sea as you attempt to accomplish the near-impossible mission of defeating the enemy. \$49.95

*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## ThunderStrike

The year is 2238. Earth is controlled by defense industries and TV networks. You are a gladiator competing in televised military Olympics, high-tech fighter pilots battling enemy drones and generators to obtain high TV ratings and high scores, and keep alive. Choose from five deadly attack fighter crafts with varying speed, maneuverability and acceleration. Zoom over colorful futuristic 3-D battlefields in five different arenas with ten levels in each arena. HUD provides imaging for fast maneuvers in deadly low-flying combat. \$39.95  
*Live Studios, Inc., 30151 Branding Iron Rd, San Juan Capistrano, CA 92675, (714) 661-8337*

## Thunderboy

An action-adventure game. Battle the dragon in the dark land where even the butterflies are deadly. \$14.95  
*DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

## Tie Break Tennis

It is possible to play a singles or doubles tournament, and by using the optional joystick adapter, up to four players can play at the same time. All techniques are available: crushing serves, forehand, backhand, topspin, slices, lob, overhead play, volley, passing shots, drop shots and soft balls. This game features amazing speech and sound effects and a presentation in TV-style. \$39.95  
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*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

## Titan

The year is 2114, the place: Vegapolis. Professor Hybris, the genius behind all analytical conceptions, is the creator of a brand new leisure concept, which has been driving crowds crazy. But the game is deadly and all have died somewhere along the eighty levels. To succeed you must guide the power sphere across eighty immense and synthetic worlds using just one magical and magnetic control unit, while avoiding all manner of death obstacles. Ultra-fast scrolling, multi-color graphics, and a variety of game play. \$44.95  
*Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693*

## Tom Landry Football

Now you can have professional football all year round with this action-packed strategy game. Put your knowledge of football to the test. Choose your team as well as formations and call your own plays. Need advice? Ask Tom Landry for some helpful hints. See you in the playoffs! Requires 1MB RAM, Kickstart version 1.2 or later. \$49.95  
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## Torch 2081

You are a pilot in the World Military Service chosen to defend your planet, Torch, against the remnants of interplanetary nuclear wars. Use the Surface Defense Glider to create panels that protect the inhabitants of the planet. Be careful; the task won't be easy: you'll face fireballs, deadly spit fires, and the perimeter patrols who trace the edge of the panels in an attempt to vaporize you. Over 90 levels of play. Distributed by Mainstream America. \$29.95  
*Digital Concepts, 43035 Hayes Road, Ste. 229, Sterling Heights, MI 48078*

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## Traveler by Paragon

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*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

## Treasure Trap

The Esmeralda's gold is just inches away, but it might as well be a mile. You need help, but only the slimy jellyfish have any friends in this algae-covered wreck. A poisonous stingray races at you and a hammerhead darts in from the left. Your air supply is running low and you can't find the key to the door that blocks your exit. Run, jump, and float through 100 multi-level rooms where you dodge

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*InnerPrise Software, Inc., 128 Cockeysville Road, Hunt Valley, MD 21030, (301) 785-2266*

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 Three theaters are covered in this tactical game: the Pacific, the Asian and the European. Practically every ground weapon used in those theaters is included—tanks, tank destroyers, machine guns, pillboxes, flamethrowers, etc. Choose to simulate single battles or an entire campaign. Each unit symbol represents either one tank/gun or a squad of infantry; each square of the 60x60 map, 50 yards. Tools are provided to let you create maps, troops, and missions. Requires 1MB. \$59.95  
*Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almaden Ave., Sunnyvale, CA 94086-2901, (800) 245-4525*

**U.S. Open Courses I**  
 Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Merion Golf Club, Winged Foot Golf Club, Bellerive Country Club, The Country Club of Brookline MA, and Shinnecock Hills, Long Island. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

**U.S. Open Courses II**  
 Developed to work with Accolade's MEAN 18 golf simulation. Package contains five different courses: Baltusrol (Springfield, NJ), Olympic Club (San Francisco), Medinah #3 (Illinois), Champions Golf Club (Houston), and Oak Hill (Rochester, NY), the 1989 site. Medinah hosted the 1990 open. \$15.00  
*Moonlight Development, 329 Shoreline Place, Decatur, IL 62521*

**UMS II**  
 According to award-winning Ezra Sidra, the guiding principle in the development of UMS II has been 'let the player control everything including the level of control he wants.' UMS II is the most sophisticated Battle Strategy you'll ever use. From ancient battles of classic history to the wildest science fiction fantasies, UMS II lets you recreate them all with its unique 3-D graphics system. \$39.95  
*MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151*

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*Intergalactic Development, Inc., 1427 Washington St., Davenport, IA 52804, (319) 323-5293*

**UMS: The Universal Military Simulator**  
 Simulates battles on a 3-D grid. Includes Gettysburg, Arbel, Hastings, Marston Moor and Waterloo. Includes ability to create armies, 3-D maps, and scenarios. Users can play each other or the computer. Battles can be viewed from eight directions at two levels of zoom, and units can be displayed in their immediate environment. Any army can be used with any scenario from history or the future. Requires 512K, 1MB for enhanced sound. \$25.00  
*Intergalactic Development, Inc., 1427 Washington St., Davenport, IA 52804, (319) 323-5293*

**Ultima III**  
 Fantasy role playing. Defeat the evil wizard, using navigational strategies and ship-to-ship combat. Advanced dungeon graphics and full color visuals. One to four players and roster of up to 20 characters. Soundtrack with on/off sound toggle. \$39.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

**Ultima IV**  
 Fantasy role playing. Become an Avatar and lead your people by demonstrating the virtues of Avatarhood. Hundreds of characters to interact with. Difficult challenges, ethical dilemmas. \$59.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

**Ultima Trilogy I-II-III**  
 The complete Ultima adventures in one package that tells the captivating story of the struggles of Lord British's kingdoms with the forces of darkness—the Triad of Evil. Journey through The First Age of Darkness, confront The Revenge of the Enchantress and then face Exodus: Ultima III when the Great Earth Serpent awakens from a slumber of ages. Only a party of adventurers can save Sosaria. \$59.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

**Ultima V**  
 Over four man-years in the making, Ultima V is the latest in the saga. Takes place in the extraordinary realm of Britannia, and features all new magic and combat systems. Lord British, benevolent sovereign of Britannia, has been lost on an expedition to explore the newly discovered underworld. Blackthorn has assumed the throne and imposed martial law to keep peace, but he is soon seduced by power and becomes a tyrannical dictator. Only you, the Avatar of Legend, can save the true King and end Blackthorn's reign of terror. Full-length music soundtrack. \$59.95  
*Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490*

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 The ultimate game of concentration for children 4 & up. Match digitized sounds with colorful graphics. Requires no reading skills. Includes three databases: ABC's, 123's, and Pixs (animals, tools, environmental, etc.). \$29.95  
*AlohaFonts, P.O. Box 1112, Rancho Cordova, CA 95741-1112, (916) 631-9633*

**Uncle D's ConSOUNDtration Data Disk #1**  
 Additional games to be used with Uncle D's ConSOUNDtration. Includes commonly seen signs, states of the U.S., and more. \$24.95  
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**Uninvited**  
 An award winning graphic adventure by ICOM Simulations. Spend an unusual day in a haunted mansion as you attempt to find your brother and uncover the eerie secrets of an eerie house. You don't want an invitation to this mansion! \$49.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

**Universe 3**  
 Animated role-playing adventure game. Set in the 24th century, you lead a diplomatic mission to Earth. Features a sophisticated mouse-based parser for rapid play. Also includes digitized sound effects. \$49.95  
*Omnitrend Software, Inc., 15 Winchester Court, Farmington, CT 06032, (203) 678-7679*

**Vampire's Empire**  
 Deep in the Transylvanian forest, in the depths of his underground lair, Count Dracula and his minions stir. Armed with your Magic Light, mirrors, and garlic, you must fight your way through the Vampire's Empire to battle the evil Count. \$14.95  
*DigitTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733*

**Vaxine**  
 Fight your very own battle against the forces of biological destruction using your very own Vaxine. Eliminate the invading virus cells before they can join together to form lethal viral strings that are capable of choking the life from your key body cells. Go on the attack with your own color-coded antibodies, or use your DNA strands to strangle large clusters of alien invaders before they reach your brain and numb your senses forever. \$39.95  
*U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607*

**Vegas Gambler**  
 A realistic casino gambling simulation with stunning graphics and life-like sound. Features 4 popular games: Blackjack, Video Poker, Roulette, and Slots. Accurate odds and payoffs based on a famous Las Vegas casino. \$39.95  
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**Video Vegas**  
 Exciting casino action on your computer. Try your luck on slot machines, draw poker, Blackjack or Keno. Includes Blackjack card counting. Games look and play exactly like the real versions in Las Vegas. Offers fun for the beginner and challenges the pro. \$34.95  
*Baudville, 5380 52nd St. SE, Grand Rapids, MI 49512, (616) 698-0888*

**Vigilante**  
 Nothing like a well-delivered flying kick to stop these bald-headed brutes. No pain, no dame! Better get a grip on your chako-sticks or you won't get your girl. Those scuzzy guttersnipes have resurfaced. This time they're wreaking havoc on your home turf and they've kidnapped your woman. There's no telling what they might do! Even the cops have copped out. It will be up to you to save her. As Vigilante, you must take the power into your own hands and stop these maniacal mohawks



before it's too late. Only you can defeat the skinheads, deliver justice, and rescue your babe. Use your fists, feet, or nail 'em with your nunchucks, because these punks only fight one way—dirty!

**\$44.95**  
Data East USA, Inc., 1850 Little Orchard Street, San Jose, CA 95125, (408) 286-7080

#### ◆ Volfied

Volfied is the most incredible, action-packed science fiction game to date. Volfied requires skill, strategy and extremely quick reflexes. It allows you to use your flying skills and put them into quick action, as you fight through 16 levels of challenging gameplay. The game is crammed with masses of enemies and hidden bonuses. Face Giant Crabs, Killer Ladybirds, Violent Insects, and the ever-changing massive Boss Alien as you pick up extra powers like lasers, power ups and timestops. Simple in concept, but incredibly addictive to play. \$39.95  
ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175

#### Vortex by Visionary Limited

Man's misguided attempt to harness new sources of energy ripped a hole in the very fabric of space-time. Engulfing everything in its path, the resulting Vortex also acts as a gateway for antimatter aliens from another universe. Fight up to 32 enemies at once. Vibrant graphics, and smooth animation. \$39.95

Media Technology Limited, 15235 Shady Grove Road, Ste. 100, Rockville, MD 20850, (301) 926-8300

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A supercop and a black panther team together in a high risk mission. A top CIA agent has been kidnapped, find him! You know that action and fighting are inevitable. You have been trained to accomplish the most dangerous missions. In a very special police academy, you learned how to master the world's most secret and lethal techniques of martial arts. Your 357 Magnum will be with you to help you, but your hands and feet are powerful and won't run out of ammo. Dropped from the chopper, you and the panther will explore the city slums to find the prisoner. Your mission is to find him and to bring him back to a safe place, while protecting him from the attacks of riff-rafs. \$44.95  
Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

#### War in Middle Earth

Fantasy role-playing war strategy, animated adventure game. Follow in the footsteps of Frodo, Aragorn, and Gandalf as they battle to get the ring to the Cracks of Doom. The Destiny of Middle Earth lies in the balance. Roam at will across the 36-screen scrolling map containing thousands of digitized locations as you control a cast of over 80 animated characters and armies. \$49.99  
Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710

#### Wargame Construction Set

Design and play nearly limitless numbers of war games as simple or complex as you desire. Draw your map, placing roads, rivers, bridges, woods, buildings, and mines in any arrangement and scale you like. Fight four levels of combat, from man-to-man to large-scale strategic campaigns. Endow your fighting men/machines with different attributes such as unit type, weapon type and firepower, movement and strength points. Included are eight ready-to-play games. \$39.95  
Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525

#### Warlock

You alone have been chosen to rescue the stolen Karna from the depths of darkness. Journey through 20 levels of ghoulish graveyards and creepy countryside to locate this precious jewel. Equipped with only your wits and your scepter, you'll do battle with as motley an assortment of critters as you've ever imagined! \$34.95  
Three-Sixty, Inc., Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

#### Warlords

Warlords takes place in the fabled land of Illuria. An unconvincing peace treaty has just expired and eight strong empires now contend for power in a fight to the finish, only one can prevail. Starting from your home castle you must ruthlessly expand your territory and eliminate all other players. Requires 1MB RAM and two disk drives or a hard disk. \$50.00

Strategic Studies Group, 1747 Oleans Court, Walnut Creek, CA 94598, (415) 932-3019

#### Wayne Gretzky Hockey

This riveting simulation is packed with all the strategy, excitement, and hard-hitting action we could squeeze into an Amiga. Actual digitized fight videos drop you right where the playing gets rough! Fully animated players, digitized stereo effects right from the rink, extensive player stats, variable speed instant replay lets you review the action in forward or reverse. \$49.95

Bethesda Softworks, 15235 Shady Grove Road, Suite 100, Rockville, MD 20850, (301) 926-8300

#### Wayne Gretzky Hockey Data Disk

Includes 24 NHL teams with player names and numbers, 11 different player ratings and line combinations. \$19.95

Bethesda Softworks, 15235 Shady Grove Road, Suite 100, Rockville, MD 20850, (301) 926-8300

#### Weird Dreams by Medalist International

Puts players into the subconscious mind of a hospital patient as he undergoes surgery. Here the player encounters giant wasps, carnivorous rose bushes, a psychopathic lawn mower, and a little girl who is not all sugar and spice. In confronting the many unusual challenges in Weird Dreams, the patient finds his health directly affected while he's on the operating table. Anyone claiming to have figured it all out will need more psychiatric help than the designers of the game. \$39.95

MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151

#### Welltris™

This game challenges the player to manipulate falling shapes, consisting of various configurations of squares, into solid rows. Pieces appear randomly, one at a time, at the top of any side and slide to the bottom; as they fall, they may be rotated and moved from wall to wall. Earn the highest possible score by forming horizontal or vertical rows with no gaps. \$34.95

Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (415) 522-3584

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Our latest and hottest scenery disk available yet! To be used with all subLOGIC flight simulation products. Detailed scenery covering southern Great Britain, northern France, and southern West Germany. The basis of our fun 'Find Red Square' promotion. \$24.95

subLOGIC Corporation, 713 Edgebrook Drive, Champaign, IL 61820, (800) 637-4983

#### ◆ Western Front—The Liberation of Europe 1944-1945

Starting on May 17, 1944—just before D-Day—each turn represents four days of action in this grand strategic wargame. It contains the campaign game Overlord and three smaller scenarios: Breakout from Normandy; The Battle for Italy; and the Battle of the Bulge. You'll control every detail of the land and air war—all the way down to the individual infantry squads, gun tubes, and vehicles. Direct air operations that include interdiction, airlifts and strategic bombing. Pop-up windows easily allow you to review unit assets in detail. Call up vital data such as enemy controlled areas, supply levels, and unit readiness and experience. Here's your chance to play Eisenhower or Rommel—rewrite history! \$59.95

Strategic Simulations, Inc., Distributed by Electronic Arts, 675 Almanor Ave., Sunnyvale, CA 94086-2901, (800) 245-4525

#### Western Games

Package contains two disks and is played in the tradition of the wild wild West. Actually six great games rolled into one rootin'-tootin' contest. One or two players can compete in a series of wacky Olympic-style contests including: arm wrestling, beer shooting, cow milking, dancing, eating, and quid spitting??? Digitized sound and great animation! \$14.95

DigiTek Software, 1916 Twisting Lane, Wesley Chapel, FL 33543, (813) 973-7733

#### Where In the U.S.A. Is Carmen Sandiego?

Now she's out to steal the great treasures of the United States. As you travel, you'll learn about the geography, economy, and history of all 50 states plus the District of Columbia. Package includes Fodor's USA travel guide. You'll work your way up through ten detective ranks. Also available in school edition. \$49.95

Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263

#### Where in Europe Is Carmen Sandiego?

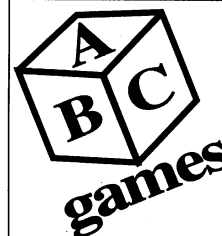
Carmen strikes again! This time it's the 34 nations of Europe. To help you decipher the clues you uncover, you'll have the Rand McNally Concise Atlas of Europe, plus an on-screen fact-finder's Database and Crimestopper's notebook. \$49.95

Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263

#### Where in Time Is Carmen Sandiego?

This exciting detective chase game highlights leading people, events, and inventions of the past 1,500 years. Carmen takes a time machine that allows her and her cohorts to transport themselves back in time from 400 A.D. to the 1950's. As a result, the ex-spy has greatly expanded her area of operations. Carmen dispatches her henchmen to Spain in 1492 to take Queen Isabella's jewels, and orders them to England in 1215 to snatch the Magna Carta. The player takes the part of a detective who has been assigned the task of rounding up the far-roaming renegades. Question witnesses and gather clues in 12 different countries and four different time periods. \$49.95

Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263



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## Where in the World is Carmen Sandiego?

Players are introduced to world geography. Carmen and her notorious band of thieves are on a world-wide crime spree. Using your crime computer at the Acme Detective Agency, you'll gather facts before embarking on an international chase through the beautiful capitals of the world. \$49.95  
Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263

## White Death

A WWII Eastern Front battle simulation with full color graphics and digitized sound. Includes very sophisticated computer opponent, six scenarios, weather, bunkers, tank fright, morale, rail movement, commandos, rockets, artillery spotting, play by telephone. Requires 1MB. \$49.95  
R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399

## Who Framed Roger Rabbit?

A graphic cross between an arcade game and an adventure game. The story moves through different levels. Objective: Save Toon Town by racing the Weasels through Los Angeles to get to the gag factory and save Jessica from the evil Judge Doom. Move through three sequences: driving with Benny the Cabdriver, clearing tables at the Ink and Paint Club, and outsmarting the Weasels at the Gag Factory. If time runs out, Judge Doom gets Jessica! \$14.95  
Walt Disney Computer Software, Inc., 500 S. Buena Vista Street, Burbank, CA 91521, (818) 567-5360

## Willow

Relive the excitement of the movie in this exciting adventure. Overthrow the evil Queen Bavmorda in this graphically-impressive game, which includes seven separate adventures. \$39.95  
MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000

## Windwalker

Lightening-fast martial arts action combined with extensive role-playing. Encounter a variety of colorful characters in palaces, monasteries, pagodas, and countryside located throughout multiple regions. Explore the culture, personalities and events of the ancient Orient. Animated combat sequences with authentically-depicted gymnastic and acrobatic movements. Features hundreds of characters including merchants, alchemists, villagers, and farmers. \$39.95  
Origin Systems, Inc., P.O. Box 161750, Austin, TX 78716, (512) 328-5490

## Wings of Fury

Pilot an F6F Hellcat fighter/bomber through a series of bombing and fleet defense missions over the Pacific. The mission may call for destroying enemy bunkers and machine-gun nests. Or, the pilot might have to brave a storm of fire as he attacks enemy warships. Features include colorful animation and graphics, digitized sound effects for bombs, gunfire, airplane engines, and save game option. \$39.95  
Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263

## Wizardry-Bane of the Cosmic Forge

The truest simulation of FRP. From its novel-like plot to its calculated die rolls, Bane of the Cosmic Forge offers uncompromising variety: 11 races, 14 professions, weaponry, physical and academic skills, a researched armament 400 items strong, six spellbooks, and 462 spell combinations. Full-screen animated graphics and digitized sound intensify the gaming experience. \$59.95  
Sir-Tech Software Inc., P.O. Box 245, Ogdensburg Business Center, Ste. 2E, Ogdensburg, NY 13669, (315) 393-6541

## WolfPack

Unlike most combat simulations, WolfPack lets the player choose sides, and decide which role to play: either a German wolf pack commander or an Allied naval officer commanding a surface fleet. As an Allied commanding officer, the player may choose to command a destroyer, a tanker, or a freighter.

Battle the computer or challenge a friend. Twelve easy-to-understand scenarios of various difficulty level. The scenarios cover the years from 1939 to 1945. Atlantic sea battles in five of the war's hottest battle zones include the Atlantic Gap, Gibraltar, and Scapa Flow. A detailed mission-construction set lets players create their own scenarios. \$54.95  
Broderbund Software Inc., 17 Paul Drive, San Rafael, CA 94903, (800) 527-6263

## Wonderland

Wonderland draws you into the bizarre logic of Lewis Carroll's spellbinding imagination: You will meet all the main characters from the book: the Mad Hatter and the March Hare at their everlasting tea party, the giant caterpillar, the Queen of Hearts, and more. You will be confronted by puzzles, puns and conundrums, potions and mushrooms, a giant puppy and a miniature tunnel, and challenges enough to keep you within Wonderlands perplexing and magical domains for hours. \$59.99  
Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710

## WordHai

WordHai is a simple, addictive, word puzzle game. Now over 100,000 copies sold worldwide. \$27.95  
Mica, 2845-140th Ave NE, Bellevue, WA 98005, (206) 883-2876

## WordPlex 2.0

Phrase-guessing game similar to TV's Wheel of Fortune. Set difficulty level and number of players. You can define your own data or jargon or use the program's library of phrases. \$39.95  
Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227

## WordPlex Data Disks

Over 1000 trivia phrases for use with Word Plex from American History topics (presidents, state capitols, & more), Nature (animals, flowers, natural wonders), and the Bible. \$29.95  
Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227

## World Class Leader Board

Update to Leader Board \$44.95  
Access Software, Inc., 545 West 500 South Ste. 130, Bountiful, UT 84010, (800) 800-4880

## World Class Soccer

Authentic game action. Choice of formations, variable skill, speed, and aggression levels. Full team seeding system. Take your team to the finals. Choose your team from a real squad of players. Variable match duration—two minutes to 48 minutes. \$44.95  
U.S. Gold, Distributed by Accolade, 550 South Winchester Blvd., San Jose, CA 95128, (408) 246-6607

## World Snooker

Enjoy pool, billiards, and snooker played five different ways from around the world. Great graphics and logical lay-out make it easy to use and fun to play. Zoom-in for precision, play in a practice mode, challenge six different levels against the computer. \$24.95  
Artworx, 1844 Penfield Rd., Penfield, NY 14526, (800) 828-6573

## Worlds At War

A game of planetary conquest similar to Empire. Simple in concept, it can be played in an hour as a small tactical study with the flavor of a chess game; or for a weekend, as a campaign game with vast regions of territory to explore. Pieces represent Base Planets, Neutral Planets, Bombers, Missiles, Scouts, and Marine Landing Craft. \$49.95  
R.A.W. Entertainment, 3027 Marina Bay Drive, Ste 110, League City, TX 77573-2772, (713) 538-3399

## Wrath of the Demon

Wrath of the Demon combines state of the art multi-level parallax scrolling with spectacular graphics, animation and playability to bring you what is sure to be one of this years hottest graphic adventures. You are on a quest to rid the kingdom of an evil

Demon and his minions, rescue the princess and restore honor to your King. Your quest will lead you through caves, swamps, temples, and castles before reaching your ultimate challenge...the Demon himself. Wrath of the Demon contains over 3MB of graphics data, 600 screens of action, 1400 frames of animation, more than 100 colors on screen and over 100 monsters, some larger than half the screen. \$49.95

ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175

## XIPHOS

A futuristicspace odyssey that combines fast-paced arcade action and sophisticated 3-D flight simulation and strategic adventure in one package. In arcade mode, you are presented an incredibly challenging array of enemy ships with scouts, fighters, cruisers, mother ships, and star bases darting into play. You arm and fire beam and particle weapons, homing and straight-line missiles, and tractor beams while using your compass, and radar displays to keep track of enemy ships. \$39.95

Electronic Zoo, 3431-A Benson Ave., Baltimore, MD 21227, (301) 646-5031

## Xenophobe by Medalist International

Classic arcade game of alien extermination. A combination of fast and furious action, high-tech weaponry and detailed, often amusing graphics. Xenophobe puts you in command of three rag-tag squads of scientist and soldiers to reclaim abandoned space stations from alien invaders. Aliens are everywhere in the game and they don't feel like negotiating. From a squad of nine men, the player selects the two best personalities to handle each mission. They then face a continuous wave of strange creatures with names like Roller Baby, Snotterpillar, and Tentacle each having its own special way of knocking out human attackers. Soldiers fight back with a smoke gun, laser pistol, lightning rifle, and hand grenades. \$39.95

MicroProse Software, Inc., 180 Lakefront Drive, Hunt Valley, MD 21030, (301) 771-1151

## Zak McKracken And The Alien Mindbenders

Reporter Zak McKracken and two Yale coeds uncover an alien plot to stupefy all mankind. With this game, you'll enjoy cunning clues and hip humor as you track the mystery to the exotic corners of the Earth and beyond. Off-the-wall clues and fast point-and-click action keep the fun moving. \$44.95  
Lucasfilm Games, P.O. Box 10307, San Rafael, CA 94912, (800) 782-7927

## Zany Golf

Players maneuver their ball through flashing lights and crazy music in the Pinball Hole; putt under a jumping burger in the Hamburger Hole; and dart laser beams, particle rays and transporter pads in the Energy Hole. The imagination is unleashed in holes featuring moving walls, magic carpets, a castle, and a hole with a mind of its own. \$19.95  
Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Zero Gravity

You're on a journey of discovery into the farthest reaches of the universe, charting new courses into the unknown. Because space travel can get monotonous, what can you do? Play Zero Gravity, space age racquetball. You're on one side of the cargo bay in a weightless atmosphere. Use your paddle to hit the red and white ball off the panels to trick your opponent. You use the top half of the screen; your opponent uses the bottom. \$19.95  
MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

## Zorc Zero

Pre-Zorc times (before Zorc I, II, or III). Save the universe from the evil wizard. Interactive adventure game. Puzzle-intensive. Light-hearted universe, just as in Zorc I, II, and III. \$19.95  
Infocom, 4600 Bohannon Drive, Menlo Park, CA 94025, (415) 329-0800

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## ♦ ♦ ♦ MISCELLANEOUS ♦ ♦ ♦ SOFTWARE GENERAL

### I Ching

The I Ching holds the wisdom gathered over many thousands of years and is the oldest system of prophecy in the world. The knowledge you desire can be as specific as whether you should accept a job, or as general as what the I Ching feels you need to know at this moment in your life. The setting is a tea house on a quiet pond. The old woman there is blunt and even crude at times. She has a long memory and expects you to listen carefully to what she tells you. \$29.95

*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

### Jacquard Color Separation Program

This program is designed for machine knitters who knit double-bed Jacquard knits. This Utility program saves hours and hours of tedious manual color separations. Gridded IFF files (generated in DeluxePaint or other paint programs) are imported. You may separate up to 6-color per row designs in one of four methods. Separations may be printed. \$90.00

*Cocheville Computer Knit Products, Inc., P.O. Box 4276, Encinitas, CA 92024, (619) 942-1957*

### Knit Editor Program

The Knit Editor is a utility program designed to be used with freehand drawn and digitized images imported as IFF files. It performs color reductions and then automatically grids the image to your desired stitches and rows. Various display options are given for the final picture including grid numbering, demarkation lines, symbols, variable grid sizes, and more. This program may also be used by needlework people. \$110.00

*Cocheville Computer Knit Products, Inc., P.O. Box 4276, Encinitas, CA 92024, (619) 942-1957*

### Merlin

An apprenticeship in the OldWay/shamanic tradition. Your journey begins in the Underworld where three nice ladies will help you burn away fear and hatred, and increase joy, love, and responsibility in your life. The journey is long and difficult, and at the end, the old women and Merlin will take you to the top of a great mountain. There, in the early morning light, you will become aware of all that you have always been. \$29.95

*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

### Midnight Sounds

Midnight Sounds is a collection of IFF sampled sounds, suitable for use by programmers or hobbyists. \$29.95

*Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449*

### The Magic Mirror

A toolbox for your mind. Many ideas and strategies are given to help you create a deeper understanding of the many forces affecting your life. If you like what you find, no problem; if not, you change, using the powerful techniques found here. The program keeps track of your progress. \$39.95

*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

### The Magic Mountain

A strange, weird world on the Sacred Mountain. Essentially, the program is an apprenticeship in the shamanic tradition using the dramatic setting of the mountain. Not for the young or timid. The program is for those who glory in the power of their own minds to create themselves and the worlds around them. Male or Female version \$29.95 each, \$39.95 for both.

*Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172*

## ♦ ♦ ♦ AMATEUR RADIO ♦ ♦ ♦

### AMIGAttrak

AMIGAttrak is a tracking program for Earth-orbiting satellites. Quick and easy to use, the program provides the satellite's location on a world map with time, longitude, phase, beacon frequency, plus azimuth and elevation bearings when the satellite is in range. Voice readout is available and routines for scheduling, hardcopy, etc. are included. \$24.00

*NH Enterprises, 22104 66th Avenue West, Mountlake Terrace, WA 98043, (206) 774-7440*

### Amateur Radio Disks

User-written ham radio public domain and shareware software collection. Send SASE requesting Amiga catalog. \$4.00

*Kinetic Designs, P.O. Box 1646, Orange Park, FL 32067-1646*

### ● Logic II

Comprehensive ham radio package. All the features of Logic Jr. plus: Radio interfacing, logs mode, frequency and band. Control radio with full-screen memory display. Antenna rotor control. Auto duping and scoring from nearly any contest, with online multiplier display. Powerful menu-driven report writer. Design your own printouts, labels, QSL cards, or those included with Logic. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 1.3 or 2.0 compatible. \$79.00

*Personal Database Applications, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037, (404) 242-0887*

### ● Logic Jr.

Comprehensive ham radio package. Logging, on-line awards tracking, QSL management. Prints log reports, awards progress reports, beam headings. QSL cards and labels. Customizable screen, auto display of DX/direction, user-defined fields, easy data retrieval, up to 20 pages of notes per QSO, superb documentation and support. DXing, nets, paper chasing, rag chewing. Free info pak. Requires 1MB RAM, hard drive. AmigaDOS 1.3 or 2.0 compatible. \$39.00

*Personal Database Applications, 2616 Meadow Ridge Dr., Duluth, GA 30136-6037, (404) 242-0887*

## ♦ ♦ ♦ ARTIFICIAL ♦ ♦ ♦ INTELLIGENCE

### MAGELLAN™ V1.2

Expert system-generating tool designed to allow users to build knowledge bases quickly through a mouse and a window; graphically-oriented interface. Knowledge is stored in an IF/THEN rule format, which can be edited and corrected easily. Runs on any Amiga with 1MB. Available for foreign distribution. \$99.00

*Emerald Intelligence, 3915 Research Park Drive Ste. A1, Ann Arbor, MI 48108, (313) 663-8757*

### MAGELLAN™ V1.2 plus the MAGELLAN Interface Toolkit

Expert system-generating tool designed to allow users to build knowledge bases quickly through a mouse and a window; graphically oriented interface. Knowledge is stored in an IF/THEN rule format, which can be edited and corrected easily. Runs on any Amiga with 1MB. The Interface Toolkit expands the capabilities of MAGELLAN by providing five interfaces to other software and hardware, including SuperBase database files, Lotus 1,2,3 format spreadsheets, the serial port, ASCII text files and AREXX macro commands to run MAGELLAN from other software utilities. The Interface Toolkit is also available as an upgrade to registered MAGELLAN V1.1 users for \$75.00. Available for foreign distribution. \$69.00

*Emerald Intelligence, 3915 Research Park Drive Ste. A1, Ann Arbor, MI 48108, (313) 663-8757*

### NeuroPro

Neural network artificial intelligence. Uses 3-layer back-propagation neural network algorithm to automatically learn pattern recognition and stimulus-response relations. Up to 192 neurons, 8192 interconnections. Load/save network arrays, input patterns, output patterns, with examples on disk. Built-in automatic support for math coprocessor. High speed assembly language; modifies 2000 to 20,000 connections per second. \$89.95

*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*

**Please see display ad page 17.**

## ♦ ♦ ♦ AUTHORING ♦ ♦ ♦ SYSTEMS

### AmigaVision

AmigaVision is specially designed to unlock the power and unique multimedia capabilities of the Commodore Amiga® personal computer. This versatile multimedia authoring system is an invaluable software tool that assists you in combining video, animation, graphics, text, and sound into dynamic presentations, and applications. Computer-based training, exhibits and trade show displays, Interactive video, video catalogs, business presentations, 3-D simulations, information kiosks, audio/visual productions, point-of-sale systems, and scores of other applications. \$149.95

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆ CASA™

CASA is a case tool that generates fully commented C code from a Viva II icon file. You can then compile and run the file. Library source code available. Requires 1MB. \$399.95

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

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## CanDo Intro Pak

This tutorial-intensive package is designed for getting new CanDo users up to speed as quickly as possible. Included are seven CanDo decks on disk and a large manual describing how they were made in close, step-by-step detail. Information on installation, tool-type settings, technical topics, and script-writing in general will make any CanDo user a CanDo expert. \$39.95  
**INOVAtronics, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991**

## CanDo Pro Pak 1

The first companion product to CanDo, Pro Pak 1 contains some amazing examples of CanDo-generated programs, called 'decks,'—including freely redistributable IFF resources—along with insights on how they were created. Also included are utilities and extensions to CanDo itself, for making the applications authoring system more powerful than ever. \$39.95  
**INOVAtronics, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991**

## CanDo v1.5

CanDo, the most powerful interactive audio-visual applications authoring system available, allows any Amiga user to create standalone software applications that take advantage of virtually all of the Amiga's outstanding capabilities. AmigaDOS 2.0/A3000 compatible. New features in version 1.5: Database Functions, Multiple Screens and Windows, Floating Point Math, and much more. Upgrade available for \$40.00. \$149.95  
**INOVAtronics, Inc., 8499 Greenville Ave., Ste. 209B, Dallas, TX 75231, (214) 340-4991**

## CyberScope

Interactive music and video performances. Virtual reality constructions and hypermedia presentations. Interactive video games. Event triggering timed sequences. Graphics: supports four resolutions and overscan, cell animation, color transitions, and loads IFF pictures and brushes. Sound: outputs MIDI events, plays IFF sampled sound, plays synthesized speech. Supports ARexx messages, serial and parallel output. \$245.00  
**Tensor Productions, 280 Mathilda Drive No.9, Goleta, CA 93117, (805) 685-2994**

## FTD Pilot

Earlier versions are not being sold; however version 1.4 is available for AmigaDOS 2.0 users. Pilot is an authoring language for computer-based instruction including interactive video. Version 2.0 features compliance with the recently published IEEE Standard 1154-1991 for the Pilot language. Pilot for the Amiga also includes support for sound, IFF graphics, mouse input, timed delays, record keeping, selectable fonts, interactive video support, and ARexx support. Touch panel support is provided by use of separate touch panel drivers internally for the Pioneer 2200, 4200, and 8000 players. Other players can be controlled using the player.device from AmigaVision. Requires separate purchase of Amiga Vision for this option. Designed for use with AmigaDOS 2.0.  
**Flight Training Devices, P. O. Box 91723, Anchorage, AK 99509, (907) 276-6719**

## Foundation

Foundation, published by Impulse, programmed by Intuitive Technologies, is the ultimate expert system for end users to gain complete control over their Amiga computer system, enabling them to create applications and interactive presentations without prior programming knowledge. The authoring software comes with a freely-redistributed run-time player, allowing stackware created with Foundation to be distributed to all Amiga owners, even those who don't own Foundation. The system fully exploits ARexx and the Amiga's multitasking power. Foundation stacks are 2.0 and CDTV-compatible. \$250.00  
**Impulse, Inc., 6870 Shingle Creek Parkway #112, Minneapolis, MN 55430, (612) 566-0221**

## Multi-Media—Interactive Training

KBI Systems specializes in the economical development and custom design of Interactive Multi-Media hardware for training in industry and education. KBI will assist you in the design and production of your courseware, mastering of CD and Laser Disc, and the configuration of authoring stations and delivery platforms.  
**KBI, Systems, 177 Mill Lane, Mountainside, NJ 07092, (800) 524-0610**

## PILOT: Programmed Inquiry, Learning, Or Teaching (Version 1.3)

Authoring language for computer-based instruction and interactive video which implements the common PILOT command set. Programming environment includes sound, synthetic speech, IFF graphics, mouse input, timed delays, record keeping, selectable fonts, and interactive video support. Additional support includes Pioneer LD-V4200 Laser VideoDisc Player, partial support for other RS-232 video devices, genlock, with touch panel support for the Sony PVM-1911 monitor, or the Carroll touch smart-frame panel. \$299.95  
**Flight Training Devices, P. O. Box 91723, Anchorage, AK 99509, (907) 276-6719**

## THE ELECTRONIC BOOK

A basic picture/text organizer that gives you a format for presenting your pictures and writings to other Amiga owners by using mouse clicks. You'll be able to rapidly show all picture formats and quickly read your documents using this system. Digital Arts/257 \$25.00  
**Hilson Digital USA, for, DigitalPub/257 & Digital Arts/257, 900 Mansell Road, #12, Roswell, GA 30076, (404) 998-7776**

## The Context Bible

New International Version. Thinker hypertext format. Write and link reference Bible, commentaries, books, and sermons. Create instant-jump cross-references to verses, words, and topics; interactively linked diagrams and charts; up to 30 levels selectively revealed outlines. Underline, bold, italicize, color code, and link verses, words and notes. Quickly jump from any verse to any verse using mouse. Up to eight resizable, stockable windows. Search output verses jump to contexts. Free brochure and demo disk, VHS videotape \$10. DOS 2.0 compatible. Price \$50.00, \$100.00 with Thinker.  
**Neuralink, P.O. Box 16311, Lubbock, TX 79490, (806) 793-0423**

## Thinker 2.1

Thinker 2.1 is a sophisticated Hypertext system that combines word processing and outline processing with hypertext. Its editing, outline and database capabilities make it an excellent tool for creative writing, online documentation, planning and design, small business databases, and computer-aided education. Documents containing multi-styled and multi-colored text and images link to other documents, pictures, and applications. Click on a word or phrase and check a reference, view a picture, or launch a Workbench or CLI application and control it with ARexx. \$80.00  
**Poor Person Software, 3721 Starr King Circle, Palo Alto, CA 94306, (415) 493-7234**

## Twenty/Twenty Vision

Twenty/Twenty Vision is a step-by-step tutorial that makes it easy to learn the process of creating presentations and applications using AmigaVision. This package gives you all that is needed to build five useful applications. As you work through the progressively detailed tutorials, you will become familiar with many of the terms, icons, and procedures needed to use this effective multi-media tool. Starting with a simple presentation Slide Show and working up to a Database application, you will limit yourself only by your imagination as you decide what to create next. Requires AmigaVision. \$49.95

**The BCS Group, Distributed by Vertical, Inc., 1411 LeMay #303, Carrollton, TX 75007, (214) 466-0048**

## VIVA (Visual Interfaced Video Authoring)

A hypermedia authoring environment for the Amiga user. VIVA lets you create, manage, and display information. Control text, graphics, video, color, and animation. Also controls video recorders, laser videodisk players, and a full range of visual media devices. Use as stand-alone interactive environment or an information-dispensing system. Icon-driven program is very easy to use. It combines a graphical user interface, easy editing, graphics libraries, custom fonts, a speech module, and many more features. With the visual construction set represented by icons, anyone can create a personalized application at the click of a mouse. \$199.95

**MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946**

## VIVA II

An object-oriented, multimedia, application development environment. Interactive presentations, instructional applications, games, or media databases are created easily by selecting icons representing the routine desired. \$199.95  
**Knowledge Media, 436 Nunneley, Paradise, CA 95969, (916) 872-3826**

## CALENDARS

### GIRLS: Impressions of the Riviera

Pin-up calendar on disk. Sixteen tastefully rendered pin-ups, plus clock/memory reminder, and five macro keys. \$24.95  
**Graphic Expressions, P. O. Box 110028, Nutley, NJ 07110, (201) 661-0408**

## COOKING

### ACE/Automated Catering Environment

ACE v3.0 comes with 140 professional catering recipes and also includes The Celebrity Cookbook, Vol.1. The program combines a smart database, word processing, and spreadsheet package in one program module. Recipes may be resized from one to 9,999 servings using both American and metric measures. The word processor database expands to the user's memory and can hold files over 100 pages in length. Features include wordwrap, margin settings, address or index card printing (labels), search/replace, margin settings, cut and paste and full disk search of file contents. ACE contains 16 expandable food groups and six expandable wine guides. It also includes on disk instructions with multiple help screens, an import and export module, and the ability to print multiple copies, ingredient lists, stock summaries, address labels or index cards, stores one year of sales. Available for the all Amiga systems. Requires 1MB. Also supports DOS 2.0. \$79.95  
**USA Media, 7810 Malcolm Road, Clinton, MD 20735, (301) 868-5494**

### Celebrity Cookbook With Expandable Recipe Filer Version 3.1

The cookbook contains two modules. The first loads and displays celebrity recipes, diets, wines, party tips, personality guest traits, and also contains a bar and wine guide. The second module is a smart database word processing package for entering and retrieving recipes or files typed by the user. All recipes resize from one to 999 servings supporting both American and metric measures. All recipes print to Amiga compatible printers. Version 3.1 is for 1MB or greater systems, but also contains version 2.0 for the 512K systems. It also includes 100 celebrity and catering style recipes. The v3.1 program combines both a smart database and word processing package in a single program module. Recipes may be viewed in 40 or 80 columns, resized from one to 999 servings, and converted from American to metric and metric to American measures. The word processor/database holds up to 12 full pages of text at one time and features full wordwrap, margin settings, cut and paste, and search and replace. The cookbook contains 16 individual food categories and six wine guides, supports American and metric measures, pricing, and provides for full disk search of ingredients or recipe text contents. All recipes will print the entire recipe or just ingredients. Also supports resizing of multiple recipe files. Available for All Amiga systems. Also supports DOS 2.0. Requires 1MB. \$39.99  
**USA Media, 7810 Malcolm Road, Clinton, MD 20735, (301) 868-5494**

### Desserts Cookbook

You'll enjoy over 150 tantalizing mouth-watering desserts including an extensive assortment of types from puddings to elegant cakes, from frozen sorbets to fancy cookies. Available in two versions—Home (Standard): directions and unit amounts edited for home cooking; and Quantity: edited for institutional style cooking (recipes yield 50 servings). \$14.95  
**Meggido Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509, (714) 683-5666**  
**Please see display ad page 99.**

## Recipe-Fax 2.0

A complete recipe creation/editing environment. Including allowance for individual editing and/or rearrangement for ingredients and amounts, and for procedures. But that's only the beginning. Recipe-Fax has a powerful recipe list processor to facilitate serving size adjustments, Metric/US unit conversion, shopping list creation and more. Recipes can be printed using a choice of forms. \$44.95 Meggido Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509, (714) 683-5666 Please see display ad page 99.

## ◆◆ The Great Recipes of Italy with Expandable Recipe Filer

The cookbook comes with 160 Italian recipes. The program combines both a smart database and word processing package in a single program module. Recipes may be viewed in 40 or 80 columns, resized from one to 999 servings, and converted from American to metric or metric to American measures. The word processor/database holds up to 12 full pages of text at one time and features full wordwrap, margin settings, cut and paste, and search and replace. The cookbook contains 16 individual food categories and six wine guides, supports American and metric measures, pricing, and provides for full disk search of ingredients or recipe text contents. All recipes will print the entire recipe or just ingredients. Also supports resizing of multiple recipe files. Available for all Amiga systems. Requires 1MB. Also supports DOS 2.0. \$39.95 USA Media, 7810 Malcolm Road, Clinton, MD 20735, (301) 868-5494

## Variety Cookbook

Over 150 scrumptious, tasty recipes from several food categories encompassing beverages, breads, breakfast, desserts, entrees, salads, sandwiches, sauces, soups, vegetables, and miscellaneous. Available in two versions—Home (Standard): Directions and unit amounts edited for home cooking; and Quantity: Edited for institutional style cooking (recipes yield 50). \$14.95 Meggido Enterprises, 7900 Limonite Ave. Ste. G 191, Riverside, CA 92509, (714) 683-5666 Please see display ad page 99.

## ◆◆◆ DISK CATALOGS ◆◆◆

### ◆ 80 Track Public Domain Catalog Disk

We have over 2200 disks from all over the world, over 12,000 programs to choose from. We also have a large collection of European disks with demos. Our disks are \$4.00 each. Call for volume pricing and our new subscription pricing. \$4.00 80 Track Software, P.O. Box 309, Oceanside, NY 11572, (516) 678-9631

### ◆ CATFISH: Fred Fish Disk Library Cross-Reference

A complete cross-referenced catalog of the entire Fred Fish Public Domain Library in a user-friendly (mouse-only) disk format. Contains three major sections giving file names and disk numbers information: 1) all files cross-referenced by a subject catalog with over 130 subject entries in a two-level format, 2) all files ordered alphabetically with most recent versions listed first, and 3) all disk CONTENTS files included. WB 2.0 only files uniquely identified. Currently contains over 500 disks and 2,550 files. Updated for each new block of 50 disks. No additional files are required for use. Compatible with all Amiga machines, WB 1.2, 2.0, and NTSC/PAL formats. \$10.00 ASCITEC, Amiga Science and Tech Users' Group, P.O. Box 201, Los Altos, CA 94023-0201, (415) 960-9399

## MAGDEX

A memory based index of eleven Amiga specific magazines. Over 4300 entries including author, title, category, type, and comments. Rapid search, including wild carding. \$10.00 Selectronics Inc., 5147 S. 37th Street, Lincoln, NE 68516, (402) 423-3856

## MegaDisc Catalogue on Disk

Full catalog on disk lists thousands of public domain disks and other products available from MegaDisc. Free MegaDisc, P.O. Box 759, Crow's Nest, Australia 2065, (011) 612-959-3692

## PUBDEX

A memory-based index of more than 3700 Amiga Public Domain Programs, including the first 200 Fred Fish Disks. Each entry contains name, author, size, version, category, source, and comments. \$10.00 Selectronics Inc., 5147 S. 37th Street, Lincoln, NE 68516, (402) 423-3856

## Public Domain & Shareware Collections

Public Domain and Shareware collected by category and grouped by specific areas of interest. Disks packaged with complete Workbench and CLI access for ease of use by both novice and expert users. Each disk contains complete author's documentation. Call for instant AMIGA-HELP at (415) 593-1207. Single disk \$6.00, five or more disks \$5.00. Premier Software, P.O. Box 3782, Redwood City, CA 94064, (415) 593-1207

## ◆◆◆ DISK MAGAZINES ◆◆◆

### Dada Tennis

Dada Tennis: not your same, old surrealist dada magazine! The alternate reality of ideas! Mystifying graphics, uncomfortable sounds, and painfully funny literature writing that will defy any 'logical' explanation! Your hip ticket into the sweaty truth—\$10.00 per issue. Dream State Press, P.O. Box 10, Woodhaven, NY 11421, (718) 849-7672

### Electric Thesaurus

The Electric Thesaurus utilizes Roget's II Electronic Thesaurus database and search engine. It contains over 500,000 synonyms and offers concise definitions for each meaning of a queried word. Each definition includes its part of speech and a list of accurate synonyms in their properly inflected forms. A Rexx port with over 15 commands along with the ability to send scripts to other programs, plus Clipboard Device support provides Thesaurus functionality to programs that do not have a Thesaurus. Works with both Workbench 1.3 and 2.0, requires at least 512K and one disk drive. Use of a hard disk is strongly recommended. \$49.95 SoftWood, Inc., P.O. Box 50178, Phoenix, AZ 85076, (800) 247-8330

### Enchanted Realms

Enchanted Realms, The Premier Adventure Game Journal, is a bimonthly paper journal and disk publication devoted completely to adventure gaming. The journal contains reviews of commercial adventures, walkthroughs and hints, articles pertaining to adventure gaming and regular columns. The disk provides adventure games, game demos, character editors and additional helps. One-year, six-issue subscriptions are \$49.95 with disk and \$39.95 without disk. Amiga and MS-DOS available. Please specify. \$49.95 Digital Expressions, P.O. Box 33656, Cleveland, OH 44133, (216) 582-0910

### Graphics Palette Disk Magazine

A three-disk set, produced bi-monthly. Each issue is packed with the latest software/hardware reviews, hints and tips, animated tutorials, DTV-related articles, helpful utilities, and is designed to be as informative, entertaining, and user-friendly as possible, supplying a wealth of information to the beginner, as well as the hardened Amiga desktop-video user. Rate: 12 month subscription \$130. U.S. FroMate Pty., Ltd., P.O. Box 584, Box Hill, Vic 3128, Australia

### Jumpdisk

A monthly disk-based magazine for the Amiga. Rates are 12 mos. \$66.00; 6 mos. \$37.00; 3 mos. \$20.00; single issue, \$9.00. \$9.00 Jumpdisk, 1493 Mountain View Ave., Chico, CA 95926, (916) 343-7658

## MegaDisc Info Resource

An information resource on disk, designed to help users become more productive with their Amigas. Contains tutorials, articles, reviews, programs, hints, advice, and much more. Released every two months; subscriptions available. \$19.95 MegaDisc, P.O. Box 759, Crow's Nest, Australia 2065, (011) 612-959-3692

## POINT & CLICK

Point & Click pulls no punches. When we spot a lemon, we pucker. We're bold, we're blunt, and we're honest. It's time to escape the world of fluff and discover the substance you've been missing. Our editorial content will greatly enhance your buying decisions. Our tutorials will give you the edge. Each volume showcases favorites from our public domain archives. \$8.95 per copy. \$8.95 Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449

## Ready Robot Club Monthly Disk

For families with kids 5 to 12. Any Amiga 1.2, 1.3, 2.0. New Faster Interface. 1.4MB of educational fun every month. No P.D. or Shareware. All original programs, graphics, sound. Three easy mouse-operated menus. Global speech toggle. Stories, Field trips, Science experiments, Music, Projects, Reviews, Parents' corner, Space update, Vocabulary and more. Games/tests: Memory concentration, Picture puzzle, Connect numbers, Maze, Find the words, Slider puzzle, jokes, and riddles. Access to software for specific age groups. USA: \$36/6mo., \$65/12mos. Canada: \$40/6mos., \$73/12mos. Others: \$44/6mos., \$81/12mos. Single sample disk \$10.00. Signs Etc. by D. Knox, P.O. Box 628, Carmichael, CA 95609, (916) 944-4282

## S.P.O.C. DIGEST

Newsletter/Demo/Disk Magazine. Contains much more than ordinary disk magazines. News, ideas, articles, and free programs from S.P.O.C. entertainment package. \$6.00 S.P.O.C., 299 Old Highway 69, Kiowa, OK 74553, (918) 432-5774

## ◆◆◆ FORTUNE TELLING ◆◆◆

### Astrology

A sophisticated program with beautiful hi-res graphics, delivering serious insight to natal chart preparation and interpretation. Birth date, time, and location can be used to produce colorful natal charts showing precise planetary locations within the houses, signs, and major aspects of the astrological system in less than two seconds. The natal graphical image can be printed utilizing any paint program supporting 16-color hi-res or black and white. Also includes interpretation on two disks. \$39.95 Mystic Software, 706 Richards Drive, Mountain Grove, MO 65711, (417) 926-3266

### I Ching

The I Ching holds the wisdom gathered over many thousands of years and is the oldest system of prophecy in the world. The knowledge you desire can be as specific as whether you should accept a job, or as general as what the I Ching feels you need to know at this moment in your life. The setting is a tea house on a quiet pond. The old woman there is blunt and even crude at times. She has a long memory and expects you to listen carefully to what she tells you. \$29.95 Blue Valley Software, 29 Shepard St., Walton, NY 13856, (800) 545-6172

### ◆ Rune Sight v 1.0

Rune Sight is a traditional oracle system based on the ancient runic alphabet, considered magic by the Viking people. The word rune is derived from the Gothic runa; meaning mystery. The mystery is unfolded in detailed, high-res graphics. As you cast the rune stones, Rune Sight is sensitive to the moment you choose, and five stones are then selected—each representing a station of importance to the querant. A complete interpretation is provided for the meaning of every rune in each station. The interpretation may be displayed or printed. Through the interpretation, Rune Sight provides insight into oracle systems, the conscious, and the subconscious mind. NTSC only. Available January 1992. \$29.95 Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330

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# Miscellaneous Software

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## The Tarot Master

The Tarot Master is the first animated fortune-telling program for the Amiga. Users may receive three- or 10-card readings for any question they choose to ask of the mystic Tarot. The Tarot Master also instructs users in becoming Tarot readers. Three- and ten-card spread readings as well as all 78 card definitions are taught to those who wish to see the future. The Tarot comes to life with exciting animation sequences for all 22 Major Arcana cards. Each animation is designed to impart the meaning of each card into the user's memory. \$24.95  
*Empire Graphics, P.O. Box 964, Union, NJ 07083, (908) 964-7864*

## ♦ ♦ ♦ GAMBLING ♦ ♦ ♦

### Lotto Cipher

Increase your chances of hitting it big by picking winning lottery numbers. \$29.95  
*Acorn Of Indiana, 2721 Ohio Street, Michigan City, IN 46360, (219) 879-2284*

### Professional Lottery System

This is a unique program for analyzing the lottery systems around the world. It is a full-featured generating system which allows for user customization of the software to accommodate almost every possible lottery in the United States and abroad. Features include database computation of daily and lotto-type lotteries, graphs, hot and cold deviations, frequency distribution of the numbers, and a multitude of wheeling systems. Distributed by Mainstream America. \$39.95  
*Digital Concepts, 43035 Hayes Road, Ste. 229, Sterling Heights, MI 48078*

### Professional Lottery Systems

Keeps track of lottery numbers in all states, figures frequency distribution on all numbers, and lets you wheel numbers. \$34.95  
*Slipped Disk, 170 West Twelve Mile Road, Madison Heights, MI 48071, (313) 546-3475*

## ♦ ♦ ♦ GENEALOGY ♦ ♦ ♦

### ◆ GENP MultiMedia

GENP MultiMedia seamlessly integrates with GENP v1.5. It allows you to have multimedia for anyone in your genealogical databases to a maximum of 10 items per individual. The Selection window allows the user the freedom to choose what he or she is going to display or hear. Show pictures, play sounds, print or display or edit word processor files. GENP MultiMedia comes with an example genealogical database demonstrating pictures, sound, and text. \$30.00  
*GENP, 37 Charles St., Cheltenham, Victoria, Australia 3192, (011) 613-584-2765*

### GENP version 1.5

Genealogical software for individuals, medical researchers, society, or schools. Standard descendant, pedigree, and family charts. Multitasks with your word processor for any length text. Multiple databases each with 64K people. Customize screens to another language. Pictures. Hotkeys. Multiple users. Supports non-English screens, system messages, help screens, and data dictionary. Multimedia via AREXX. Similarity and Regular Expression search. System requires 1MB, and two drives. NTSC/PAL compatible. \$99.95  
*GENP, 37 Charles St., Cheltenham, Victoria, Australia 3192, (011) 613-584-2765*

### Norgen—Version 2 of the Genealogy Database

Designed for the home enthusiast and the professional, Norgen has unique features of expandable data fields and no logical limit to the number of Subjects, Siblings, Spouses, Children and Notes. Contains all standard reports plus index to all names, validation utilities. Version 2 has added 13 user-defined fields (potential LDS compatibility), 30-generation Descendants charts, ability to search on any combination of fields, family group reports, IFF linkage, custom reports, and macros. Supports PAL monitors, foreign Keymaps. 1MB RAM required. \$49.95  
*Norris Software, 3208 West Lake St. Suite #65, Minneapolis, MN 55416, (612) 827-2766*

## Your Family Tree 2.0

Your Family Tree makes organizing your family history easy. The program supports 16 million individuals and 16 million family groups. Features include unlimited-length note files using your favorite word processor or text editor; support of IFF pictures; more than 30 printed reports including standard pedigree and descendant charts, mailing labels, and blank forms; many user-definable options; multi-field, multi-condition searching; phonetic name matching; and a complete manual with index, screen shots, and tutorial. Requires 1MB.  
*MICROMASTER Inc., 1085-A Broadhead Rd., Aliquippa, PA 15001, (412) 775-3000*

## ♦ ♦ ♦ HOME SECURITY ♦ ♦ ♦

### AMI-X10

Works with X10 (U.S.A.) Inc.'s X10 Powerhouse Computer Interface. Accesses 256 different code combinations for timed or immediate command. Stores and retrieves an unlimited number of event schedules. Multitasking. Price is \$124.30 with X-10 hardware. \$59.50  
*Digital Dynamics, 739 Navy Street, Santa Monica, CA 90405, (213) 396-9771*

### PowerMaster

Software and hardware interface to add remote control to appliances and lights controlled by the X-10 system over regular house wiring. Lights can be semi-randomly turned on, off, or even dimmed. Control up to 256 items with over 128 times. AREXX interface for complete control. \$31.00, \$79.00 with interface.  
*Complications, 1727 Parkview, Redlands, CA 92374, (714) 794-5311*

## ♦ ♦ ♦ HANDICAP ♦ ♦ ♦ SUPPORT

### KeyWhiz

KeyWhiz provides an image of the keyboard on your Amiga screen and accepts input from a joystick or custom input device that is connected to the second gameboard. Its purpose is to provide an alternate means of inputting keyboard data for individuals who have difficulty using a normal keyboard. Also useful for kiosk developers. Joystick not included. \$40.00  
*Integral Systems, P.O. Box 31626, Dayton, OH 45431, (513) 237-8290*

## ♦ ♦ ♦ NETWORKING ♦ ♦ ♦

### ENLAN Network System

ENLAN is a Phase-IV end-node implementation of Digital Network Architecture (DECnet). It offers the ability to change files and data with DEC VAX/VMS computers, other Amiga computers and machines running the DECnet protocol. ENLAN features a suite of file transfer utilities, allowing remote file copies, directory listings, and file deletions. It also includes a File Access Listener which provides remote access to files residing on the Amiga. \$295.00  
*Interworks, 195 E. Main Street Suite 230, Milford, MA 01757, (508) 476-3893*

### Interact

Providing an AppleTalk compatible networking solution, the Interact Software/Hardware package allows you to create an Amiga-only network of up to 32 nodes. You can share hard drives and printers, designate file servers, monitor activity, exchange files and messages, and read files from another node. Not limited to Amiga-only networking, the Net Package also allows you to interface an Amiga with existing AppleTalk networks for output to laser printers. Software and hardware are available for Amiga 500—\$299.00, 2000—\$329.99 series, or 3000 series—\$399.99.  
*DigiTeX Corporation, 610 Main Street, Oregon City, OR 97045, (503) 656-8818*

## TCP/IP

Includes TCP/IP and UDP/IP protocol support for DoD and other TCP/IP network applications. Network file system (NFS) client application support for Amiga client side file services from an NFS server. Full host table support for symbolic lookup of internal address numbers. VT100 network terminal emulation for remote access. Supports Ethernet solutions based on both thick and thin Ethernet (Cheapernet). Software utilities include Filesystem automounting on system boot-up, Host table lookup for symbolic ASCII hostname reference of internet address numbers and full local support for protection bit modification of NFS volume files and subdirectories. \$199.95  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## TSSnet

An implementation of the DECnet networking protocol for the Commodore Amiga. Connect Amigas to DEC VAX mainframe computer networks. Or, interconnect Amigas, Macintoshes, IBM PCs and Unix workstations. Share files, start remote scripts, spool print jobs, and conduct remote log-in sessions. Amigas become Phase IV end nodes when connected to DECnet via the serial port, a modem, or Ethernet. TSSnet supports Ethernet boards from Commodore, Hydra, and ASDG. Provides simultaneous file transfer, CTERM terminal emulation with any Amiga telecommunications program, and DECnet-compatible electronic mail services. Fully supports X11 with the X Window System from GfxBase, Inc. \$395.00  
*Syndesis, N9353 Benson Road, Brooklyn, WI 53521, (608) 455-1422*

## X Window System for the Amiga

XWindow System Release 4 for the native AmigaDOS. Resolutions to 2048 x 2048 color supported. TWM & OLWM (open look) user interface. Network support: TCP/IP (AS225), DECnet (TSSnet), same ethernet, arcnet, serial DDCMD and slip. Works with VAX's, Suns, Apollos, IBMs, Sonys, etc. Coexists with native workbench, Intuition-user interface. Requires 1MB RAM (minimum), one floppy drive. \$395.00  
*Gfx Base, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469*

## ♦ ♦ ♦ RELIGION ♦ ♦ ♦

### Bible Files On Disk

Genesis through Revelation, nine disks. ASCII text files to be used with text editors or word processors. Word searching dependant on text editor or word processor's capability. Not copy protected—may be installed on hard drive. King James only. \$29.95  
*John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90706*

### Bible Land Map Set (Basic Set)

These Maps cover the entire Mediterranean and Middle East, with exceptional accuracy applied to the land of Palestine (better than 1:250,000). 10-disk set includes: 4 base maps/templates; 10 finished maps; assorted clips, and manual. Designed for use in Professional Draw and related programs. Now loadable by PageStream 2.1 in clip form (specify when ordering). EPSF also available by special request. Requires 1.5MB and Professional Draw 2.0 (Or PageStream 2.1). \$49.95  
*Bible Graphics, 2751 Nolan Trace, Leesville, LA 71446, (318) 239-4614*

### Bible Land Map Set (Reference Set)

This is the disk set that produces an 11 x 21 Reference Map of the land of Palestine. Map is done in two to six printouts (depending on memory and printer), and then pasted together for final copy. Double output size and create a 22 x 42 wall map. 6 disks. Now loadable by PageStream 2.1 in clip form (specify when ordering). Requires 1.5MB and Professional Draw (or PageStream 2.1). \$24.95  
*Bible Graphics, 2751 Nolan Trace, Leesville, LA 71446, (318) 239-4614*

### ◆◆ Bible Search

Bible Search is a fully compressed and indexed Bible Concordance program, providing quick and easy retrieval of any word or verse in the entire Bible. It uses state of the art data compression to fit the entire text of the Bible onto two disks, and the Exhaustive English Concordance onto only one



disk. 1MB RAM recommended. Bible Search includes automatic spell checking of every word used in the Bible, movable and sizable windows, pull down menus, output of Bible text to disk, printer or Amiga speech synthesizer, and more. Word Search options include exact phrase, single or multiple words using AND, OR and NOT Boolean logic, plus wildcard. Full scrolling of text. Authorized King James or New International Version available. AmigaDOS 1.2 or later. \$100.00  
**SOGWAP Software, 115 Belmont Road, Decatur, IN 46733, (219) 724-3900**

## BibleReader! (King James Version)

The BibleReader KJV program contains all 66 books of the King James Version Bible and a large 300-thousand character concordance/reference file. This program features an intuitive mouse-driven User Interface, full 80-column screen display, built-in help screen, user length screen dump to disk printer, Amiga speech and SuperSearch, a feature which allows the user to search for words or phrases across a section or entire Bible. All Bible text files are in ASCII format for universal word processor compatibility. Available on seven 3.5-inch disks. \$49.95  
**EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803, (205) 881-6297**

## BibleReader! New International Version

The BibleReader program contains all 66 books of the New International Version Bible, an easy-to-read modern-day English translation, and a large 300-thousand character concordance/reference file. This program features Intuitive User Interface, full 80-column screen display, built-in help screen, user length screen dump to disk or printer, Amiga speech and SuperSearch, a feature which allows the user to search for words or phrases across a section or entire Bible. The user also has the option of displaying helpful translator footnotes. All NIV Bible text files are in ASCII format for universal word processor compatibility. Available on seven 3.5-inch disks. \$74.95  
**EasyScript! Software, 10006 Covington Drive, Huntsville, AL 35803, (205) 881-6297**

## N.T. Bible Database

The N.T. Bible Database is a database file of the New Testament that is to be used with Superbase Personal 2 or Superbase Professional 3.0 database programs. The New Testament chapter with the data, a two-disk set is available, which includes the King James New Testament text files with an .sbt extension giving you the ability to see each chapter in Superbase's text window as an external text file. An external drive is required. Database \$19.95, Database + New Testament \$29.95.  
**John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90706**

## Names of God Database Template

Template for Superbase Pro. To view the word, meaning, reference and Hebrew spelling of the names of God. Uses three windows, external text file, picture. \$9.95  
**John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90706**

## On Line Bible

King James Bible, word and phrase search, key words have strong, numbers and definitions. Lexicon and 571,000 cross references. You can also add your own notes to any verse. Fourteen 5.25-inch disks. \$21.00  
**John 1:1 Graphics, P. O. Box 316, Bellflower, CA 90706**

## RL-901 In the Beginning

Elementary level. The Biblical story of the creation of the world. From Chapter I of the book of Genesis. An illustrated hardcover book is included. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

## RL-902 Adam and Eve

Elementary level. The Biblical story of the fall of Adam and Eve. From Chapters II and III of Genesis. An illustrated hardcover book is included. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

## RL-904 Abraham, Friend of God

Elementary levels. The story of Abraham's trust, and God's promise. From Genesis, Chapter XII. An

illustrated hardcover book is included. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

## RL-932 The First Christmas

Elementary level. The New Testament story of the birth of Jesus in Bethlehem. An illustrated hardcover book is included. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

## RL-938 The Story of the Good Samaritan

Elementary level. The parable that showed the importance of treating others as we would want to be treated ourselves. An illustrated hardcover book is included. NTSC only. \$29.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

## RL-993 In The Promised Land

Five disks. High school to adult. Stories of the Chosen People and their conquest and settlement of the Promised Land. Stories include events from lives of Joshua, Samuel, and David. NTSC only. \$89.95  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

## ◆ T-N-T (The New Testament)

Features include the ability to locate any word or phrase within seconds, easy-to-use interface, print or save to disk any part of the New Testament, Bookmark feature to quickly move selected verses. Easily installed on a hard drive, not copy protected. Fast text-scrolling and multi-tasking friendly. Complex searching functions. Uses the King James version of the New Testament. AmigaDOS 1.3 or later. \$39.95  
**Shocking Software, 3535 N. Nevada, Chandler, AZ 85225**

## The Bible on Disk

These document disks contain the text of the King James Version. They can be accessed by any Amiga-compatible word processing program. NTSC only. \$99.00  
**MicroEd, P. O. Box 24750, Edina, MN 55424, (612) 929-2242**

## ◆ The Context Bible

New International Version. Thinker hypertext format. Write and link reference Bible, commentaries, books, and sermons. Create instant-jump cross-references to verses, words, and topics; interactively linked diagrams and charts; Up to 30 levels selectively revealed outlines. Underline, bold, italicize, color code, and link verses, words and notes. Quickly jump from any verse to any verse using mouse. Up to eight resizable, stockable windows. Search output verses jump to contexts. Free brochure and demo disk, VHS videotape \$10. DOS 2.0 compatible. Price \$50.00, \$100.00 with Thinker.  
**Neuralink, P.O. Box 16311, Lubbock, TX 79490, (806) 793-0423**

## ◆ ◆ ◆ STATISTICAL ◆ ◆ ◆ ANALYSIS

### Biometrics

Edited and expanded material from Sokal and Rohlf's Biometry. Descriptive statistics include stem-and-leaf displays, boxplots, and coded tables. Also includes standard techniques such as histograms, simple data entry, and test analysis. Detailed coverage of statistical distributions, statistical inference, and hypothesis testing—parametric and non-parametric. Also includes a set of programs for the analysis of variance of experiments. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

### Cluster Analysis

A collection of all the major cluster analysis algorithms. Data-entry programs allow data entry and transfer to and from popular spreadsheets, scaling of metric data. Cluster analysis programs include procedures based on arbitrary clustering criteria, sum-of-squares of distance criteria, Hmeans and Kmeans, criteria involving invariants, Wmeans, the multiple-location allocation problem, and miscellaneous features like the bond energy criterion technique. Programs provide results for plotting dendograms. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## Decision Analysis Techniques

Decision theory involving incomplete or conflicting information. Covers the major reaches of decision theory; assurance of samples and experiments, use of modeling and simulation, goal and mathematical programming, decisions under uncertainty and risk, decision tables and trees, and more. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## Descriptive Statistics

Descriptive statistical techniques are primarily graphical. It is useful to calculate things, but it is essential to have a good look at the data before deciding whether or not to enter into heavy-duty numerical analysis. The title Descriptive Statistics is graphics-oriented and makes use of the new EDA techniques. You are able to examine your data with letter-value displays, stem-and-leaf displays, and boxplots. When fitting data to a line you will be able to run a resistant line through the data points as well as carry out regression calculations. Analysis of variance is complemented by median polish and the preparation of coded tables. The distribution of data points can be checked by drawing rotoograms. The program set includes crosstabulations, distributions, regression, sensitivity analysis, and more. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## Econometrics

Covers most of the material in Johnson's Econometric methods. Topics include statistical distribution and inference, multilinear regression, including weight regression models, ridge regression, splines, legit analysis; models using simultaneous equations, models based on time series, autocorrelation, seasonal models, lagged variables, the Cochran-Orcutt correction for autocorrelation, and more. Includes full set of transfer programs. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## Recipe - Fax



Bring your kitchen and computer together, a marriage of bites to bytes...  
**The Commodore Amiga®, Recipe-Fax, and YOU!!!**

Complete Editing Environment for easy entering, retrieving, and manipulating personal recipes. Powerful recipe list processor adjusts servings, converts US/Metric units, generates shopping list.  
**More...**

**Meggido Enterprises (714)683-5666**  
 7900 Limonite Ave, Ste G-191  
 Riverside CA 92509

Circle 114 on Reader Service Card.

# Miscellaneous Software

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## Experimental Statistics

Covers distributions and sampling, statistical inference, regression analysis, experiment design, and variance analysis. Describes background and usage of statistics, with examples. Program instructions detail the 60 programs included in the package. Specific topics include sampling distributions, application of the Central Limit Theorem, inverse and non-central distributions, statistical inference and hypothesis testing, regression analysis, profit analysis, and more. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## Forecasting and Time Series

Covers the general methods of analysis of time-series and the forecasting techniques based on those methods. All types of time-series considered, those with trends, seasonableness, and periodicity, autoregression, etc. Time-series used include stock prices and a utilities index to population series. Provides elaborate data entry and transfer facilities. Time-series analysis covers the study of periodicity, correlation, and cross-relation, autoregression, Fast Fourier Transforms, and more. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## Linear and Non-Linear Programming

Programs based on the SIMPLEX algorithm and the Monte Carlo technique. Implements general purpose and non-linear programming programs using a Monte Carlo technique. Special problems handled include distribution and transportation, assignment, and travelling salesman problems. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## Matrix Operations

Performs simple operations like matrix routines, addition, multiplication, transposition, and inversion. More complex routines find the given values of symmetric and non-symmetric matrices, and Cholesky decomposition of matrices. Provides solution of sets of similar equations. Also provides data transfer programs for easily moving files to and from spreadsheets. \$125.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## Multivariate Analysis

Covers the major topics of multivariate analysis for those who have received formal training in that discipline. Manual and programs cover the major topics of the discipline, including multi-linear regression, correction analysis, factor analysis, discriminant analysis, canonical component analysis, and residual analysis. Multiple population topics include MANOVA with and without a co-variate. Includes full cross-tabulation program, and profit analysis programs. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## Optimization

Covers major topics in optimization: optimization by sampling and inference, optimization by experiment, including the use of response-surface experiments and orthogonal arrays; optimization by mathematical programming, and more. Special topics study queues and simulated queueing systems, inventory problems; optimizing financial portfolios. General-purpose optimization program Optimize allows optimizing user-defined function; Simulate provides the response of a user-defined function to random inputs. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## Project Planner (PERT & CPM)

Handles job scheduling and optimum assignments. Major project planning based on the PERT and Critical Path Analysis techniques. Programs are activity-oriented; user must prepare the network of activities. PERT produces the critical path and probability of finishing on time. CRITPATH produces the critical path, then provides a report on all non-critical activities—latest starting times, earliest finishing times, etc. Planner is a full-featured project-management program. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## Regression

Comprised of procedures based on the least squares technique. Program set includes simple linear regression, four multilinear regression programs, ridge regression, and regression using orthogonal polynomials. Provides a Durbin-Watson program to study the statistical quality control and all information related to chart preparation. Includes large section on the analysis of variance and experiment design. Topics and software cover traditional and more sophisticated quality control methods. \$145.00  
**Lionheart Press, Inc., P. O. Box 379, Alburg, VT 05440, (514) 933-4918**

## ◆◆TELECOMMUNICATIONS◆◆

### A-Talk III

For communications and terminal emulation on the Amiga. Includes X, Y, ZMODEM, KERMIT, and ASCII protocols. Script language with over 40 commands, unattended mode, 60-entry phone directory, quick menu for global selections, and 2-, 4-, 8-color support. \$99.95  
**Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227**

### Amiga Flash Chat

Amiga front end for galacticomm BBS teleconferencing package. Provides an interesting environment for multi-line BBS users. Includes ability to add game modules to play 'live' in a multiple-user scenario. Available Fall 1991. Price TBA.  
**Technical Magic, 26090-62 Robertson Road, Nepean, Ontario, Canada K2H 9R0, (613) 596-9114**

### Amigaterm

Sophisticated emulation and telecommunications package that is easy to use. Select up to 130 columns to be displayed on screen. Pull-down windows make operations simple. This package supports X-modem and CompuServe B protocols. \$29.95  
**Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100**

### BBS-PC!

An electronic bulletin board system that gives the user full control over the menus and operation. Featuring 16 user-definable sections, private E-mail and total data security, BBS-PC! is the standard. \$149.95  
**Micro-Systems Software, 12798 Forest Hill Blvd. Ste. 202, West Palm Beach, FL 33414, (407) 790-0772**

### Baud Bandit v1.5

User-friendly telecommunications software. Clipboard support, macros, programmable function keys, and full AReXX support. Greater control of programs and peripherals through numerous new AReXX commands. Version 1.5 adds customizable modem and config windows and a toggle feature so users can turn their printers on and off. Other additions include VT style cursors that can be emulated through the cursor keys, Auto Baud capability, and a serial input/output feature that can be disabled by the user. Upgrade improvements include enhanced file requesters, an unlimited phonebook file size, and an advanced chat mode editing. The scrolling review and backscroll buffer sizes have been increased and the protocols have been adjusted for more compatibility. Upgrade cost is \$10. with the return of the original program disk. \$49.95  
**Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144**

**Please see display ad page B.**

### Dr. Term Pro

Powerful telecommunications software with main-frame emulations and protocols. \$49.95  
**Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144**  
**Please see display ad page B.**

### MiddleMan

Fast and accurate VT100 emulation. Supports numeric keypad, graphics character set, local file printing, text file transfer, and more. \$59.95  
**Benaiah Computer Products, Inc., P. O. Box 14502, Huntsville, AL 35815, (205) 536-9933**

## MiddleMan II

Tektronix 4105 color graphics terminal emulator. Supports four screen resolution modes, up to 32 colors, and VT100 emulation. \$149.95  
**Benaiah Computer Products, Inc., P. O. Box 14502, Huntsville, AL 35815, (205) 536-9933**

## MindLink

This powerful Amiga modem software has the most versatile set of controls in any telecommunications program. Brings new ease of use to telecommunicating. Data speeds from 300 baud to MIDI (31.25K baud). Protocols include X-, Y- and Z-modem. Enter BBS commands by clicking on any word or character on the screen! Exclusive chat-modem mode allows you to talk while transferring files! Real-time monitoring of on-line charges. Programmable timer. Integrated script language—design your own modem utilities. Integrated CLI and text editor. User-definable ASCII table (both send and receive). Requires 512K and one drive. \$49.95  
**Centaur Software, Inc., P. O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226**

## Online Platinum Edition

Incorporates all the features listed under The Works! Telecommunications Module. Includes new Research and Development Division design named Sadie!, a two way file transfer and chat protocol that lets you download and upload simultaneously. \$69.95  
**Micro-Systems Software, 12798 Forest Hill Blvd. Ste. 202, West Palm Beach, FL 33414, (407) 790-0772**

## ProtoCall

Fully-featured telecommunication package designed to utilize all the power of the Amiga. \$49.95  
**Data Solutions, 43624 Appomattox Court, Canton, MI 48188, (313) 397-2889**

## Star-Net BBS V1.0

Successor to Paragon BBS. Star-Net BBS is a powerful BBS program, featuring Fido-Net networking (no additional software needed), multi-line capability, two-modem with batch and resume, on-line programs (door), menu compilation, locked baud rates, and much more. System requires 1MB RAM and a hard disk. \$165.00  
**Star-Systems Software, P.O. Box 384, North Grafton, MA 01536, (508) 839-3739 voice**

## Sterling Service BBS

Friendly, easy-to-use, full-featured Amiga bulletin-board system. Uses graphics, logical menus and intelligent requesters to make setting up and operating a BBS a breeze. Requires 1MB. \$149.95  
**Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609**

## VTX On-Line

State-of-the-art graphics communication program offers on-line help with pages referenced to the manual, scripting with automatic generation, clipboard compatible capture buffer, and mouse or menu interface. Supports CompuServe GIF raster graphics with HAM mode support for 256 colors. Protocols include ASCII, Xmodem, Xmodem-1K, Ymodem, Kermit, and more. \$79.95  
**MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946**

## term2200

Emulates the Tandberg 2200 terminal, commonly used with Norsk Data minicomputers. It displays Norwegian, Swedish, German, and English characters, and the <esc>N and <esc>O character sets. Baud rates up to 9,600 are supported. Push keys, F keys, and many of the 2200's special function keys, such as COPY, EDIT, MARK, and PRINT are supported. PC/Link and XMODEM file transfer is supported, as well as the auxiliary printer. This product functions properly with NOTIS-WP, NOTIS-ID, and User Environment. \$125.00  
**Venn Software Ltd., 328-1027 Davie Street, Vancouver, B.C., Canada V6E 4L2**

## term6312

Emulates the Concurrent (Perkin-Elmer) 6312, 1251, and 1200 terminals. All functions required by Reliance R08, MEDIT, and LEX are supported. It supports blinking, underlined, low intensity, and non-display fields. The status line, 32 function keys, and audible beep are available. Baud rates from 300 to 9,600 are supported. The auxiliary printer is supported. \$150.00  
**Venn Software Ltd., 328-1027 Davie Street, Vancouver, B.C., Canada V6E 4L2**

## ♦ ♦ ♦ TUTORIALS ♦ ♦ ♦

### Mastering CLI and the SHELL

Interactive tutor. Allows user to type in commands with various options. Shows results and explains them in detail. New users will be using CLI from the start. Uses the common commands extensively to familiarize new user with CLI environment. Also includes The Assistant, a memory-resident reference of 21 most commonly used commands to provide quick on-line help. New version: 2.5 features full AmigaDOS 1.3 and SHELL coverage. Over 250 pages of tutorials-interactive instruction. Features 1000 plus typed-in examples, diagrams, numerous ready-to-run script files. Expanded online help, hard disk installation routines, and more. \$39.95

Graphic Expressions, P. O. Box 110028, Nutley, NJ 07110, (201) 661-0408

### Up & Running

With the Amiga 500 finally going mass market, there are thousands of newcomers wading through a sea of technobabble in search of useful knowledge. Up & Running is an on-disk tutorial that specifically targets the novice end-user. From the publishers of Point & Click, Up & Running speaks to these people in plain English and is refreshingly simple to use. \$29.95

Computer Support, P.O. Box 463, Salem, OR 97308, (503) 743-4449

## ♦ ♦ ♦ KNITTING/WEAVING ♦ ♦ ♦

### KnitterChart

Graphic-orientated charting program primarily for users of knitting machines. Mouse or keyboard input and control. Inputs swatch data and dimensions of desired sweater from user or data file. Outputs complete set of machine operating instructions in verbal, table, or abbreviated (with diagrams) form; disk data and image (IFF) files; blank data form; and diagrams. Most output can be directed to screen or printer. Permits fast and easy creation of any size garment with any type yarn in eight styles. Runs from Workbench or CLI in NTSC or PAL modes. Currently no ARexx support. Includes hard disc install program. Fully documented. Requires A500 with 512K memory and one floppy drive; 1MB and 2 drives recommended. Best with hard drive and dot matrix graphic printer. Also runs on A1000/2000/3000. Requires AmigaDOS 1.3, 2.0 compatible. \$99.95

Versitek Software Ltd., 1 Wentworth Circle, Eastern Passage, Nova Scotia, Canada B3G 1G1, (902) 465-2718

### Weave-It

Weaving program with six grid sizes, any six colors at one time, 12 harnesses, and 14 treadles. Modify drawdown or design colors anytime. Change

threading, tie-up, or treadling anytime. Compatible with other Amiga graphics software. Saves in IFF format. \$74.95

Joyce I. Peck, P. O. Box 1051, Qualicum Beach, BC, Canada V0R 2T0, (604) 752-3364

### Weave-It Plus

All the features of Weave-It with the utility programs Fibre-Facts and Calculate-It. Both utility programs fully use the Amiga interface, do point-and-click calculations, convert standard measures to metric, and print calculations to any Amiga preferences printer. \$89.95

Joyce I. Peck, P. O. Box 1051, Qualicum Beach, BC, Canada V0R 2T0, (604) 752-3364

## ♦ ♦ ♦ CD-ROM ♦ ♦ ♦

### The Fred Fish Collection CD ROM

The CD ROM contains the entire 530+ disk collection of freely distributable software compiled by Fred Fish. The collection is organized by disk making it possible to locate any file using existing indices to the collection. The disc also contains a high speed utility for producing Fish disks from the CD ROM in two minutes or less. The disc is updated every four months at a cost of \$29.95. Subscriptions available. Compatible with all ISO9660 CD ROM drives, Commodore's L690 CD ROM, and the CDTV keyboard, mouse, and RGB monitor recommended. Workbench 2.0 compatible. \$74.95

HyperMedia Concepts, Inc., 5014 Campfire Lane, Racine, WI 53406, (414) 632-3766

### The Fred Fish Collection OnLine CD ROM

The CD ROM contains the entire 530+ disk collection of freely distributable software compiled by Fred Fish. The collection has been compressed in LHARC format both by disk and program. Text files are included describing the collection. The disk is designed for use on BBS systems based on any platform. The disc is presetup for use as a Parnet node when used with CDTV. Path and file names conform to MS-DOS standards. Updated every four months. Subscriptions available. Special offer if purchased with The Fred Fish Collection on CD ROM. Workbench 2.0 compatible. \$69.95

HyperMedia Concepts, Inc., 5014 Campfire Lane, Racine, WI 53406, (414) 632-3766

## ♦ ♦ ♦ DESKTOP ♦ ♦ ♦ PRESENTATION

### MediaShow

MediaShow is a multimedia sequencer for creating presentations and desktop video productions of all kinds, quickly and easily, especially on the Amiga 500. It allows the user to combine and play animations, graphics, music, and sound effects. It features a built-in video titler that can overlay text on top of

movies with special effects such as multi-colored extrusions, shadows, and outlines. MediaShow supports files from most paint programs, 3-D rendering and animation programs, music programs, and sound digitizers/editors. No additional hardware is required. \$129.00

Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### Scala

Scala provides an easy-to-use interface where every selection is made through 'screen-buttons' labeled in plain language. The titling/presentation system includes eight disks; five consist of background art, and two hold the fonts. Scala includes a wide range of backdrop images, and a set of 30+ palettes compatible with all backgrounds. Typography effects include tilt, underline, drop shadow, and 3-D. Other features include animation, transitions, easy transfer of presentations to different media, and the ability to save the layout of a screen. \$395.00

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

Please see display ad page A.

### ShowMaker

ShowMaker puts the power of desktop video in the hands of a whole new level of users. The intuitive time line interface lets you quickly and easily mix animations, music, video titles, sounds, video effects, and graphics into video productions or multimedia presentations. ShowMaker controls a variety of devices including NewTek's Video Toaster, MIDI instruments, Lasersdiscs, VCRs, and genlocks. Patented Auto Loading technology loads files as the production plays, so production length is not limited by RAM. Runs on any Amiga with at least 1MB of RAM and a hard drive. \$395.00

Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### VideoDirector

A complete system for quickly and easily editing video tape, and consists of the software, a universal learning Infrared remote controller, and a serial port interface for controlling VCRs or camcorders equipped with remote, Control-L or LANC inputs. A simple push button interface makes it possible for anyone to easily assemble their favorite videotaped moments into a single smoothly recorded tape, in a fraction of the time required for manual editing. Editing features include copying, cutting and pasting of clips and groups of clips. To allow the addition of titles or graphics to video, VideoDirector will support a genlock. Will run on any Amiga with at least 512K RAM. \$199.95

Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

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## ◆ ◆ ◆ DRIVES GENERAL ◆ ◆ ◆

### ◆ FDD Series External fdd

FDD-M312 for the Amiga, 3.5-inch, 880KB formatted. One hundred percent Amiga A1010 compatible. 94ms access times, MFM recording mode. Additional drive connector and On/Off switch support for the Amiga.

CHS Inc., 602 North Country Fair Drive,

Champaign, IL 61821, (800) 798-2497

## ◆ ◆ ◆ EXTERNAL FLOPPY DRIVES ◆ ◆ ◆

### 3.5 Slimline Drive

A 3.5-inch floppy disk drive, Slimline design is only 1-inch-high. Has 26-inch cable for easy positioning. It also has through-port for connecting additional drives. \$139.95

Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110

### A1011 3.5 Floppy

Your expanding business and personal needs demand extra versatility and increased productivity. Add the A1011 to your system as an additional external drive and enjoy increased storage. With the internal drive, the A1011 will support a business environment with greater capacity and fast back-up. \$169.00

Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### AE High Density Drive

A high-density 3.5-inch external disk drive compatible with all Amigas. Supports both standard 880K and high-density disks. Electronic disk ejection. Housed in a thick, high impact, Amiga-beige ABS case, and the drive incorporates the finest Sony drive mechanism available. One-year warranty. Not AmigaDOS 2.0 compatible. \$239.00

Applied Engineering, P.O. Box 5100, Carrollton, TX 75011, (214) 241-6060

### Air A1010

External 3.5-inch 880K disk drive with on/off switch and pass-through. \$199.00

Advanced Integration Research, 3006 North Main Street, Logan, UT 84321, (801) 752-2501

### CA•880 3.5 Floppy Disk Drive

Small, quiet disk drive supports all Amiga models, formats 3.5 inch double-sided, double-density diskettes for up to 880K of storage. Fully compatible with A1010 disk drives. Only 1.12 inches high, low

(1.5W) power consumption for read/write operation. Provides comprehensive protection for diskettes and includes high-precision stepper motor and low-friction steel belt for quiet operation. \$229.95

California Access, 130 Knowles Drive, Los Gatos, CA 95030-1832, (408) 378-0340

### CI Hard Pro 100™

A 100MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$1599.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### CI Hard Pro 1200™

A 1200MB external hard disk drive. The drive comes pre-formatted with ten megabytes of public domain software on it. The drive also has a high-quality power control center. \$9999.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### CI Hard Pro 150™

A 150MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$2399.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### CI Hard Pro 180™

A 180MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$2599.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### CI Hard Pro 200™

A 200MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$2799.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### CI Hard Pro 20™

A 20MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$799.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### CI Hard Pro 300™

A 300MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$3899.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### CI Hard Pro 30™

A 30MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$899.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### CI Hard Pro 46™

A 46MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$999.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### CI Hard Pro 600™

A 600MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$5299.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### CI Hard Pro 60™

A 60MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$1199.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### CI Hard Pro 80™

An 80MB external hard disk drive. The drive comes pre-formatted with 10MB of public domain software on it. The drive also has a high-quality power control center. \$1299.00

Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### Cortex External 3.5-inch Floppy Drive

High-quality silent mechanism. Through port. Enabled/Disable switch.

Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England, (011) 4451-236-0480

### Enhanced UniDrive

A 3.5-inch external floppy drive, on-off switch, low power consumption, whisper quiet operation, does not click when diskette is removed. With 12-month warranty. Upgradable to Enhanced TwinDrive. Has LED track display for read and write activity. Has virus protection hardware installed. Features are switch-deselectable. Pass-through connector. \$149.00

M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### Ext. 3.5 Drive

Introducing the new external 880K, 3.5-inch drive, fully compatible with the A500 and A2000. \$125.00

Kinson Products Corporation, 484 Sunrise Highway, Rockville Centre, NY 11570, (516) 763-1025

### File Runner 51/4

External 5.25-inch floppy drive, pass through switch, 360K/800K. \$165.00

Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### FileRunner FD3.5

Slim line external floppy drive. Pass through on/off switch. LED> 8w power. \$145.00

Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ◆ Master 3A-1

External 3.5-inch floppy disk drive for all Amiga computers. \$119.00

GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

### RF302C

A 3.5-inch 880KB external floppy disk drive. ROCTEC Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030, (408) 379-1713

### RF332C 3.5-inch 880K Ultra Slim External Floppy Drive

This 3.5-inch 880K external floppy drive is 0.9 in. high with low power consumption (0.025 Watt stand-by, 1.8 Watt when Read/Write). This drive is extremely quiet. There is a daisy chain port on the drive for the connection of more drives. \$130.00

ROCTEC Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030, (408) 379-1713

### RF542C 5.25-inch 880/360 K Floppy Drive

This external 5.25-inch floppy drive is 40/80 track switchable. It will format, Read/Write 880 in Amiga mode. Working in conjunction with a Bridgecard or ATonce card, it will do 360K format. \$220.00

ROCTEC Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030, (408) 379-1713

## Rodeo Drive (CA•880SL)

The smallest external disk drive available for the Amiga! Measuring only 7.25 inch x 4 inch x .75 inch (lxwxh), the CA•880SL offers all the reliability and efficiency of the standard CA•880, and has an unbelievably small package. Fully compatible with the A1010 drives, the CA•880SL has a formatted capacity of 880K while consuming only 1.5 W for read/write operations. Includes pass through for daisy-chaining. What's more, there's no annoying 'clicking' sound when no disk is in the drive. \$229.95  
California Access, 130 Knowles Drive, Los Gatos, CA 95030-1832, (408) 378-0340

## The Master-3A

Significantly smaller and slimmer than the A1010, The Master 3A comes with a 27-inch cable and is covered by a one-year warranty. Low power consumption and a pass-through allow daisy chaining of the drives. \$159.00  
Surfside Components Int., P. O. Box 1836, Capitola, CA 95010, (800) 548-9494

## TwinDrive

Two 3.5-inch external floppies in one slimline case. On/off switch for each drive. Silent when diskettes removed. Low power. Whisper quiet operation. Twelve-month warranty. Pass-through connector. Upgradable to Enhanced TwinDrive. \$269.00  
M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## ◆ ◆ ◆ INTERNAL FLOPPY ◆ ◆ ◆ DRIVES

### A2010 3.5-inch Internal Floppy

3.5-inch horizontal floppy, no external power supply. Maximum transfer rate of 250 K/sec.; reads an entire track at one time; supports fast data transfer rates. MFV read/write format, 880K storage capacity, double-sided/double density; formatted in 160 tracks with eleven 512 byte sectors each. Power supplied by the A2000 computer system. \$159.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### Air A2010

Internal 3.5-inch 880K disk drive for A2000 series. Includes instructions and mounting hardware. \$150.00  
Advanced Integration Research, 3006 North Main Street, Logan, UT 84321, (801) 752-2501

### Air A3010

Internal 3.5-inch 880K disk drive for A3000 series. Includes instructions and mounting hardware. \$150.00  
Advanced Integration Research, 3006 North Main Street, Logan, UT 84321, (801) 752-2501

### Internal A2000 Drive

Features the same high-quality Fujitsu drive as Unidrive. Also includes our proprietary no-click logic to prevent the annoying click that occurs when a diskette is removed. Other features include low power, A2000 size bezel, and a limited 12-month warranty. \$83.00  
M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## ◆ ◆ ◆ FLOPPY DRIVE ◆ ◆ ◆ ACCESSORIES

### ECE Alignment Kit

Aligns Amiga 3.5 disk drives. Uses Analog Alignment Disk. ECE program disk contains graphic representations of signals on the Alignment disk. Includes board and cable, manual, more. Uses mouse or keyboard. (Function key template included.) \$175.00  
Amazing Computers, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612, (813) 977-6511

### RV300C Anti Virus Device

This is a device to be connected between the external floppy drive and the Amiga system. The device provides write-protect function to the external drive connected to it. It further provides a virus protect function to stop any attempt to write on track zero

for both internal and external floppy drives on the system. The device additionally displays the track position of the magnetic head of the external floppy. This is a perfect add-on for all new or installed drives. \$50.00

ROCTEC Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030, (408) 379-1713

## ◆ ◆ ◆ HARD DRIVES ◆ ◆ ◆

### ◆ 200MB Hard Drive

A 200MB hard drive. Call for price.  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
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### A590 20MB External Hard Drive

A 20MB hard disk drive for the Amiga 500 that allows for 2MB RAM memory expansion and SCSI port. \$629.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### ESDI Model 1350

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1350. Capacity 85-170 MB 23 m/sec. \$1490.00-\$1690.00  
Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 718-5555

### ESDI Model 1558-15

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1558-15. Capacity 382 MB, 18 m/sec. \$2820.00  
Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 718-5555

### ESDI Model 1650

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1650. Capacity 104-182 MB, 16 m/sec. \$1695.00  
Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 718-5555

### Fujitsu 42MB

A Fujitsu 1-inch high, 3.5-inch hard drive, 42MB. Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
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### Fujitsu SCSI Hard Drives

M.A.S.T. is a major supplier of highest quality and performance Fujitsu SCSI drives. Made to most exacting specifications with 200,000 MYBF, the industry's best rating. Prices are 45MB \$249.00, 90MB \$449.00, 136MB \$549.00, 330MB \$1509.00, 660MB \$1899.00 and 1.2 Gigabyte \$3100.00.  
M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### ◆ Quantum 105

A Quantum one-inch high, 3.5-inch hard drive 105MB. 19/11 ms. Call for price.  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
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### Quantum 52MB

A Quantum 1-inch high, 3.5-inch hard drive. 52MB. Call for price.  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

### Quantum/40AT

A Quantum Prodrive, 40 MB. 19/11ms. Call for price.  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

### Quantum/80AT

A Quantum Prodrive, 80 MB, AT-type drive. 19/11ms. \$549.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

### SCSI Model 1370

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1370. Capacity 85-170MB, 23 m/sec. \$1670.00-\$1875.00  
Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 718-5555

### SCSI Model 1578-15

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1578-15. Capacity 382 MB, 18 m/sec. \$2820.00  
Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 718-5555

### SCSI Model 1670

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1670. Capacity 104-182 MB, 16 m/sec. \$1695.00  
Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 718-5555

### SSD 20

An external hard drive subsystem utilizing the SSD chassis, and a 20MB 5.25 half-height drive featuring 65 m/sec. average access time. Shipped with all necessary cables, fully formatted and tested. SCSI host adaptor required. (SA500, SA1000, or SA2000 recommended). SSD 40 available with 40MB, for \$1735.00 Canadian. \$1437.00  
Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553

### ST-506 Model 1320

Compatible with the Commodore host/controller, C-LTD host/controller, and others. Model 1320. Capacity 42-85 MB, 28 m/sec. \$799.00-\$1180.00.  
Micropolis Corporation, 21211 Nordhoff Street, Chatsworth, CA 91311, (818) 718-5555

## ◆ ◆ ◆ HARD DRIVES ◆ ◆ ◆ COMPLETE

### Filerunner™ Changeable Disk external

Internal SCSI changeable sub-system for any Amiga with SCSI controller (A590). Fits neatly under the monitor. 28ms/44MB.  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### Filerunner™ Changeable Disk internal

Internal SCSI changeable sub-system for Amiga 2000/2500. 28ms 44MB.  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### Pocket Tiger 45MB SCSI Drive

Pocketsize one-inch-high external hard drive. 45MB. Fast, reliable, low power, cost effective. 19ms drive mechanism. Plugs into StarBlazer, A590, etc. as a second drive, or any SCSI interface. \$399.00  
M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### Tiny Tiger II

The Tiny Tiger II is the only fully portable hard-drive system on the Amiga market. It plugs into the parallel port, using M.A.S.T.'s unique parallel port SCSI interface in a cable. This gives the user the flexibility to use either the parallel port, or any standard bus-based SCSI controller on the market. Tiny Tiger II may be used standalone, or daisy-chained to existing systems. By building the SCSI controller outside of the base unit, the Tiny Tiger II is also able to be used on the Mac and IBM. Available in 20MB, 45MB, 90MB, 105MB, and 136MB to 182MB. Prices range from \$529.00 to \$1299.00 Many extra features, display panel.  
M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## ◆ ◆ ◆ HARD DRIVES ◆ ◆ ◆ COMPLETE W/AUTOBOOT

### FastCard Plus

SCSI hardcard with RAM expansion. Includes hardware for mounting 3.5-inch drive onboard. Supports up to 4MB of RAM using FastSimm-1 modules (must be purchased separately) or 8MB of RAM using FastSimm-4 modules (available soon). Card features Xetec's DMAx hardware, autoboot ROM, autoconfig circuitry, Macintosh compatible 25-pin SCSI external connector, internal 50-pin SCSI connector, drive LED connector, FastTrak utility disk, and manual. Order #FCP-000 \$150.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

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## FastCard Plus Q105

Same as FastCard Plus Q52 except drive is a Quantum Prodrive 150S with 19ms access. 105MB formatted capacity, and 64K cache buffer. \$750.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

## FastCard Plus Q52

FastCard Plus with Quantum Prodrive 52S 52meg, 19ms drive mounted. Drive has 64K cache buffer, comes prepped and includes demos. No RAM included. \$525.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

## FastRam

Board installs in the SA-5 or SA-10 Host Adapter allowing memory expansion up to 4MB using 1MB FastSimm modules or up to 8 meg using 4MB fastSimm modules. (FastSimm modules must be purchased separately). For the A500, order #FR5; \$75.00. For the A1000, order #FR10; \$85.00.  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

## FastTrak Jr.

System includes SA-5 or SA-10 SCSI Host Adapter with autoboot ROM. Seagate ST125N 20 meg, 38 ms drive in an SH-20 enclosure, manual, FastTrak utility disk, and shielded SCSI cable. Drive comes prepped and includes demos. \$500.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

## FastTrak Q105

System is the same as Q52 except drive is a Quantum ProDrive 105S with 19 ms access and 105MB formatted capacity plus 64K cache buffer. For the A500, order #FT5-105. For the A1000, order #FT10-105. \$850.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

## FastTrak Q52 A1000

System is the same as A500 except the Host Adapter is model SA-10. For the A1000. Order #FT10-052. \$625.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

## FastTrak Q52 A500

System includes SA-5 SCSI Host Adaptor with autoboot ROM. SH-52 enclosure with fan. Quantum Prodrive 52S with 19 ns access and 52MB formatted capacity plus 64K cache buffer, manual, FastTrak disk with utilities and shielded SCSI cable. For the A500. Order #FT5-052. \$625.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

## FileRunner™ Box 60 Meg

External hard drive systems for use with the Amiga 500 or 1000. System comes complete and assembled in a flat case which fits under the monitor. Each case can accommodate a second drive for future expansion and the unit comes with a power supply large enough for the second drive. A500, with Autoboot, \$725.00; A1000, with Autoboot, \$775.00.  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

## FileRunner™ Box/Heavy Duty

External hard drive systems for use with the Amiga 500 or 1000. System comes complete and assembled in a heavy-duty case with fan. The fan allows the system to run for months without interruption. Each case can accommodate a second drive for future expansion and the unit comes with a power supply large enough for the second drive. Available with and without autoboot (only for A500). Price for 42MB: \$740.00.  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

## FileRunner™ Card 170 Meg SCSI

An internal hard drive system for the A2XXX family. Each system comes complete with a 3.5-inch hard drive and controller. Can control up to seven additional SCSI drives. Autobooting. \$980.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

## FileRunner™ Card 40 Meg

An internal hard drive system for the A2XXX family. Each system comes complete with a 3.5 inch hard drive and controller. Autobooting. 40MB RLL. \$590.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

## FileRunner™ Card 40 Meg SCSI

An internal hard drive system for the A2XXX family. Each system comes complete with a 3.5 inch hard drive and controller. Can control up to six additional SCSI drives. Autobooting. 40MB SCSI (Quantum drive). \$650.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

## Fireball A2000 SCSI Controller V2.0

The Fireball transfers data at above 650KB per second sustained. The superfast transfer rates are independent of the number of tasks operating, which is impossible on non-DMA controllers. While Fireball is moving data to and from the hard disk at high speed, the CPU is given plenty of bandwidth to continue multitasking. Fireball automatically slows down when accessing CHIP RAM, to prevent any problems with overscan. It is also compatible with the SYQUEST removable drive. Available in 20MB, 45MB, 90MB, 105MB, 136MB, and 182MB hardcards and the prices range from \$450.00 complete. The Fireball DMA SCSI is priced at \$149.00.  
M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## Impact A2000-HC/105Q-II

Amiga 2000 Hard-Card 45 is an autobooting, DMA controller, SCSI hard card. Comes with 105MB Quantum SCSI (19/11 ms avg. access) drive preformatted and preformatted on card. \$739.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## Impact A2000-HC/42F-II

Amiga 2000 Hard-Card 42F is an autobooting, DMA controller, SCSI hard card. Comes with 42MB Fujitsu SCSI (24ms avg. access) drive preformatted on card. \$529.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## Impact A2000-HC/52Q-II

Amiga 2000 Hard-Card 80Q is an autobooting, DMA controller, SCSI hard card. Comes with 52MB Quantum SCSI (19/11ms avg. access) drive preformatted and pre-formatted on card. \$599.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## MAX—125™ Autoboot Interface Adapter

Allows you to connect IBM-compatible hard disk controllers and drives to ALL Amiga computer systems. Works with many 8- and 16-bit XT and AT, St506/412 & ESDI controllers and virtually all hard drives of these interface types. A2000 version takes only one slot position to handle two controllers when inserted in the right-most expansion slot and can be configured as a HardCard with optional mounting bracket. Passes the bus for the A500 and A1000. Priority selectable booting/mounting FastFilesystem partitions of up to four controller boards for a total of eight hard drives. Controller types and drive sizes can be intermixed. Compatible with A500/A1000/A2000/A3000, and most CPU coprocessor boards. Prices range from \$149.95 to \$189.95  
Palomax, Inc., 424 Moreboro Road, Hatboro, PA 19040-3932, (215) 672-6815

## Mini FastCard

Half-card SCSI interface featuring DMAx hardware, autoboot ROM, autoconfig circuitry, internal 50-pin SCSI connector, drive LED connector, FastTrak utility disk, and manual. Requires off-card mounting of drive. \$75.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

## ● Novia 20i and Novia 60i

Novia 20i, the smallest hard drive/interface in the world, is now available for mounting inside your Amiga 500. The Novia 20i gives 20MB of high speed performance yet takes absolutely no desk space. Novia 20i includes complete instructions and all the hardware necessary for a simple, clean, no-solder installation. Novia 60i gives 70MB and re-tails for \$599.95. \$299.95  
ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

## ◆● Prima 52i, 105i

Prima 52i and Prima 105i mount completely inside your Amiga 500, allowing 52 or 105MB of high speed storage using absolutely no desk space. Prima replaces the A500's internal floppy mechanism with a high performance Quantum hard drive. ICD's Shuffle Board, included with this package, reroutes DF0: to the external floppy connector, making any external floppy drive act as a true DF0: device. Features include autobooting from FastFilesystem partitions, high speed caching, auto-configuring, and A-Max II support. No-solder installation. Prima 52i \$549.95. Prima 105i \$779.95.  
ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

## Supra Drive for A2000

Includes Series IIITM software and ExpressCopy hard disk backup. Hard card includes WordSync™ interface, autoboot ROM, SCSI expansion port, complete utility software for formatting drive and editing low-level system info. Autoboots from FFS partitions. Compatible with Bridgeboard™ and most other boards. Supports up to 30 partitions including MS-DOS partitions (with Bridgeboard). Includes clear, thorough manual of hard disk hints and tips. 105MB Quantum ProDrive, \$699.95. 52MB \$379.  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

## ◆◆◆ HARD DRIVES ◆◆◆ COMPLETE W/ AUTOBOOT EXPANSION MEMORY

### A2091-50

The powerful A2091-50 is an autobooting 50MB SCSI hard drive controller which is now a standard part of the 2000HD™ and 2500/50. It is also available as a card for the 2000 family. It features the A2091 controller (see above) and a 40MB hard disk. \$899.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### CA•2000 Malibu Board

A2000 SCSI Controller card with room to mount any standard 3.5-inch hard disk. Optional 2 & 4MB RAM board that auto configures and utilizes easy-to-install SIMM's. Auto configures under V1.2 & 1.3 of Workbench. Autoboot from hard disk under V1.3 of Workbench. Complete hard disk installation utilities and expandable. Mac style DB25 SCSI external connector and 16-bit fast data transfers. \$229.95  
California Access, 130 Knowles Drive, Los Gatos, CA 95030-1832, (408) 378-0340

### ◆ Flash 2000

A 16-bit SCSI Controller for the A2000 series. Lightning fast transfer rates attainable. 3.5-inch hard drive mounting possible. Auto Configuring. Auto boot switchable (boot from floppy). Up to 8MB of 32-bit wide Fast Memory on board. 12 month warranty. 8-bit version is available for \$299. \$299.00  
M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### Grand Slam Multifunction Card

Grand Slam packs the Trumpcard Professional SCSI hard drive controller, 8MB of fast RAM and a Printerface parallel port all onto a half-length Amiga expansion card. The high speed SCSI controller includes IVS' exclusive SCSI-SHARE SCSI networking software that allows multiple computers to share hard drives and other SCSI peripherals. The fast RAM can be configured as 0, 2, 4, 6, or 8 MB using easy-to-install 1M x 8 SIMM memory modules. The parallel port is output only and is designed to connect to printers, allowing audio and video digitizers to connect to the Amiga parallel



port directly. Grand Slam's half length form factor allows hard drives to be attached directly in a 'hard card' configuration. Grand Slam 2000 0K list price is \$349.95. Grand Slam 500 0K is \$449.95. Owners of Trumpcard, Trumpcard 500, Trumpcard Professional, and Trumpcard 500 Professional can upgrade to Grand Slam. \$349.95  
Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040

## Impact A2000-HC8+0/105LPS-II

The Impact Hard Card 8+0/105LPS-II consists of a SCSI autoboot hard drive controller card with a 105MB Quantum (19/11ms), 1-inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0K. \$919.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## Impact A2000-HC8+0/105Q-II

The Impact Hard Card 8+0/105Q-II consists of a SCSI autoboot hard drive controller card with an 105MB Quantum (19/11ms), 3.5 inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0K. \$599.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## Impact A2000-HC8+0/200MB

The Impact Hard Card 8+0/200MB-II consists of a SCSI autoboot hard drive controller card with a 200 MB, 3.5 inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0K. \$1349.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## Impact A2000-HC8+0/42F-II

The Impact Hard Card 8+0/42F-II consists of a SCSI autoboot hard drive controller card with a 42 MB, 3.5 inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0K. \$599.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## Impact A2000-HC8+0/52Q-II

The Impact Hard Card 8+0/52Q-II consists of a SCSI autoboot hard drive controller card with a 52MB Quantum (19/11 ms), 3.5 inch drive mounted directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with 0K. \$679.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## Impact A3001 Upgrade Kit

Now available with 50MHz 68030 acceleration. Factory installed 68030 CPU running at 28, 33, or 50MHz. 2, 4, or 8MB of 32-bit wide, high performance DRAM. Built-in autobooting high performance hard disk controller. Asynchronous design allows the 68030 to run asynchronous to the rest of the A2000 improving genlock compatibility. Zero slot solution—all A2000 expansion slots are left free for future unlimited expansion.  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## Impact A500-HD8+0/105 Q-II

The Impact A500+ hard drive/RAM add-on systems includes a GVP external hard drive chassis, power supply, fan, autobooting SCSI controller, drive, and expansion sockets for up to 4MB RAM. Comes with 0K. The A500 HD80Q/RAM comes with a 80 MB Quantum drive. \$1099.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
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## Impact A500-HD8+0/105Q-II

The Series II A500+ hard drive/RAM add-on systems includes a GVP external hard-drive chassis, power supply, fan, autobooting SCSI controller, drive, and expansion sockets for up to 8MB RAM.

Comes with 0K. The A500 HD8+0/105Q-II comes with a 100MB 1-inch high Quantum drive. \$1099.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## In-Mate

An internal multi-function for A500 and A2000 that plugs into the 68000 socket. It includes a SCSI hard drive interface with autoboot, RAM expansion of 1, 2, 4 or 8MB RAM and is socketed for a 68881 coprocessor. The system draws little power since it has a CMOS 68000 on board and CMOS circuitry and parts. \$379.00  
Spirit Technology Corp., 220 West 2950 South, Salt Lake City, UT 84115, (800) 433-7572

## StarBlazer A500/1000

**Accelerator/RAM/SCSI Box**  
External 8MB RAM, SCSI controller and accelerator. For A500 and A1000. Tiny case. Can control up to 7 SCSI devices. Has total flexibility for those users on a budget who want a modular powerful upgrade path. Start with 8-bit SCSI controller, \$129.00, add fast autoconfiguring RAM in 2MB increments up to 8MB, add a 68030 module 25MHz (\$399) and math coprocessor. Memory can be 16- or 32-bit wide. There is even a 16-bit SCSI module for lightning fast transfer rates (\$89 extra). A future option is 68040 support. Hard drive controller autoboots from 1.3. Supports 2.0.  
M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## ◆ ◆ ◆ HARD DRIVE ◆ ◆ ◆ CONTROLLER ONLY

### AdSCSI 2000

Autoboot from Fast File Systems partitions. Mounting frame included for hard drive card installation. Simple point-and-click set-up software. \$199.95  
ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

### AdSCSI 2080

This card offers everything the AdSCSI 2000 does except the hard drive card option and adds room for 2, 4, 6, or 8MB of RAM. \$279.95  
ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

### Seagate Interface

Allows one to run the Seagate STIIR XT ST506 hard-disk controller with Seagate RLL hard drives. Installation software. Boots after reset from the hard disk. \$55.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### Seagate Interface 1000

Allows one to run the seagate STIIR XT ST506 hard-disk controller with Seagate RLL harddrives. Installation software included. \$85.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### Seagate Interface 2000

Allows one to run the Seagate IIR XT ST506 hard-disk controller with Seagate RLL hard drives. Installation software. Boots after reset from the hard disk. \$55.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### Seagate Interface A500

Allows to run the Seagate ST II RXT506 harddisk controller with Seagate RLL hard drives. Installation software included. \$85.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### StarDrive Module

An alternative to the MultiFunction module. Pseudo-DMA access to Macintosh-compatible SCSI drives and other third-party SCSI devices. Fast, easy to install including driver software and disk diagnostics. Also includes battery-backed clock to set your system time on boot-up. \$99.00  
MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081, (214) 437-5330

## Supra SCSI Interface for A1000

SCSI interface board allows hard disks to be connected to A1000's. Includes Series III™ and ExpressCopy software, clock, and thorough instruction. \$249.95  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

## ◆ ◆ ◆ HARD DRIVE ◆ ◆ ◆ CONTROLLER W/ AUTOBOOT

### ALF 2 ANI Herc SCSI

Bare-bone SCSI interface special for the Amiga 1000. Installation software and Alf tools and Alf backup. \$190.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ALF AF Hercules SCSI

ALF 2 SCSI card. Installation software and Alf tools and Alf backup. \$120.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ALF AF RLL Controller for the Amiga 2000/2500

Autobooting hard disk controller system with a full package of utilities. Runs with any RLL hard disk from the IBM world. Comes with pass word, checkdrive, FrameBackup, Backup, Runs SCSI Streamer. Runs A-Max for the hard disk. Detects any accelerator board. Data transfer rate approx. 420KB/sec.  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ALF AF SCSI Controller

for the Amiga 2000/2500  
Autobooting hard disk controller system with a full package of utilities. Runs with any SCSI hard disk from the IBM world. Comes with password, check drive, FrameBackup, Backup, Runs SCSI Streamer. Runs A-Max for the hard disk. Detects any accelerator board. Data transfer rate using 68020 approx. 780 KB/sec with Quantum 40s.  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### ALF3-SCSI

SCSI System for to use with A2000, A2500, and A3000. Real multitasking. Disconnect and reconnect. Backup software, switchable for any fast or slow unit. Data transfer rate without accelerator about 1000 K/Byte sec.  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### AdIDE/40

AdIDE/40 is for the Amiga 2000. It fits underneath the CPU chip and uses no slot. The included 40-pin cable connects it to standard 3.5-inch hard drives. \$159.95  
ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

### AdIDE/40 Kit

AdIDE provides an inexpensive alternative to a full SCSI interface. Sometimes called AT drives, IDE drives have an embedded controller and are designed for connection to an AT PC bus. Nearly all drive manufacturers are now producing these low cost units. AdIDE uses the same advanced software supplied with our AdSCSI host adapters. It delivers incredible speed and performance in a very small package. Features include autobooting from FastFileSystem partitions, A-MaxII support, and more. AdIDE/40 Kit allows internal mounting of a 3.5-inch hard drive in an Amiga 500. \$199.95  
ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

### AdIDE/44

AdIDE/44 is for mounting a 2.5-inch drive inside the Amiga500. It includes the standard 44-pin cable and drive mounting brackets. \$179.95  
ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

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### C201 RAU & Harddisk Cards

C201 is a dual interface for the A500 that plugs into the expansion slot under the keyboard and provides an extra .5MB of memory and an MFMS1506 hard disk interface. It also has a modified expansion slot cover, enabling hard-disk cables to come out. \$350.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### FastTrak System less hard drive

Same system as FastTrak Q40 less drive. Includes mounting bracket for 3.5-inch drive. For the A500, order #FT5-000. For the A1000, order #FT10-000. \$250.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### HDA506-5 and HDA506-1

Interfaces A500 or A1000 86-pin expansion port to ST-506 hard drives (IBM standard). Complete driveless system includes interface and ST-506 controller (MFM or RLL) in chassis with passthru plus fan-cooled dual hard drives chassis with power supply and all connectors. Optional autoboot kit. \$399.00  
*Spirit Technology Corp., 220 West 2950 South, Salt Lake City, UT 84115, (800) 433-7572*

### HardFrame/2000

High-end SCSI interface supports up to seven devices and operates at bus speeds. Cable pinouts designed for compatibility with standard SCSI hard drives. Features word length data transfer, FIFO buffering, true DMA, and is mounted on a metal frame. Autobooting; automounting; does NOT require old file system partition; autoloader driver into RAM for fast operation. Works with overscan. \$249.00 with metal frame, \$239.00 without metal frame. \$249.00  
*MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081, (214) 437-5330*

### SA-10 Host Adaptor

SCSI Host Adaptor for the A-500 or A-1000 features Xetec's high performance DMAX™ hardware, autoboot ROM, autoconfig circuitry, system bus pass-thru, FastRam expansion connectors. Macintosh compatible 25 pin SCSI connector, provision for external + 5v from SH series enclosures, and low-profile steel enclosure. Also included are a FastTrak utility disk, 25-pin shielded SCSI cable, manual, and 25-pin to 50-pin SCSI adapter board. \$175.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### SA-5 Host Adaptor

SCSI Host Adaptor for the A-500 or A-1000 features Xetec's high performance DMAX™ hardware, autoboot ROM, autoconfig circuitry, system bus pass-thru, FastRam expansion connectors. Macintosh compatible 25 pin SCSI connector, provision for external + 5v from SH-series enclosures, and low-profile steel enclosure. Also included are a FastTrak utility disk, 25-pin shielded SCSI cable, manual, and 25-pin to 50-pin SCSI adapter board. \$175.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### SA1000 SCSI Host Adaptor

The SA1000 provides a fast and easy-to-use method of connecting SCSI peripherals to the A1000. Up to seven SCSI devices may be connected including fixed hard drives, Bernoulli and SyQuest removable-media drives, tape backup units, and even large capacity optical drives. Full autoconfig compatibility; battery backed-up clock; handles SCSI arbitration; true removable media handling; and automatic defect management. Comes complete with full system management tools with a user-friendly Workbench interface. The SA1000 provides the ability to load Kickstart from hard disk image, then boot Workbench from floppy or hard disk. No modifications to the A1000 needed. \$389.00 Canadian.  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

### SA2000 SCSI Host Adaptor

The SA2000 provides a fast and easy-to-use method of connecting SCSI peripherals to the A2000. Up to seven SCSI devices may be connected including fixed hard drives, Bernoulli and SyQuest remov-

able media drives, tape backup units, and even large capacity optical drives. Full autoconfig compatibility; handles SCSI arbitration; true removable media handling; and automatic defect management. Comes complete with full system management tools with a user-friendly Workbench interface. Also capable of being used as a filecard. \$215.00 Canadian.  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

### SA500 SCSI Host Adaptor

The SA500 provides a fast and easy-to-use method of connecting SCSI peripherals to the A500. Up to seven SCSI devices may be connected including fixed hard drives, Bernoulli and SyQuest removable-media drives, tape backup units, and even large capacity optical drives. Full autoconfig compatibility; handles SCSI arbitration; true removable media handling; automatic defect management. Comes complete with full system management tools with a user-friendly Workbench interface. \$259.00 Canadian.  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

### SCSI Hard Disk Controllers

#### for A-1000, A-500, & A2000

The industry standard SCSI hard disk controllers for the complete Amiga computer line with AutoBoot for the A-500, A-2000, and new SCSI 3.0 DOS.  
*Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690*

### Slot machine for A2000

Plug-in ST-506 hard drive interface (IBM standard). Complete driveless 'hard card' system includes interface and ST-506 controller (MFM or RLL), internal mounting rail, hard drive cable set, and autoboot. \$199.00  
*Spirit Technology Corp., 220 West 2950 South, Salt Lake City, UT 84115, (800) 433-7572*

### Supra SCSI Interface for A500

SCSI interface board with Amiga-bis pass through and external SCSI port allows a hard disk to be connected to A500's. Includes Series III™ and ExpressCopy software, up to 8MB, RAM expansion capability, and thorough instruction. \$249.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

### SupraDrive 500XP

Features includes Supra Series III software, RAM test software, ExpressCopy backup software, Micro-Power drives, autobooting SCSI Interface, no external power necessary. One half to eight MB FAST RAM Expansion. Amiga bus pass-through, external SCSI port, game switch. Autoboot on/off switch, SCSI ID selector, RAM test mode. One-year warranty. 20MB from \$349.95, 52 from \$599.95, 105MB from \$899.95. One-year warranty.  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

### Trumpcard

Lloads DPaint II in 1.4 seconds, identical speed as DMA to cache-type controllers costing hundreds more. Exclusive IVS SMARTBOOT autoboots all drives (including Seagate) from cold start. Up to seven SCSI drives can be daisy chained to one Trumpcard. Full support of Logical Units with Adaptec controllers. Supports all Quantum, Seagate, and Miniscribe drives. User-customizable driver supports virtually any SCSI hard disk drive. The list includes over 15 devices and is growing. Half length card takes only 1/2 slot. Optional brackets mount 3.5 drives to card. Exclusive IVS checklist configuration software makes hard drive setup a breeze. A two-foot 50-pin SCSI cable included with every Trumpcard. Also, every Trumpcard shipped includes support for SyQuest removable media drive. Full one-year warranty, parts, and labor. Now shipped with 2.0 software TC Utils, same as TC Pro. \$169.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

### Trumpcard 500

HC Trumpcard 500 HC autoboots directly to FFS partitions if desired. Automatic detection of volume change on Syquest removable media drives is included at no charge. Half length card uses 256K x 8 or 1MB x 8 SIMMs for 512K, 1MB, 2MB, or 4MB of

RAM. Upwardly compatible with the 2000. Also, every Trumpcard shipped includes support for SyQuest removable media drives at no extra charge. \$269.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

### Trumpcard Professional

Trumpcard Pro is simply the fastest SCSI disk controller made for the Amiga. With the new generation drives and CBM2630 card, Trumpcard Pro gets DPERF2 times in excess of 1.9MB per second! Trumpcard Pro is a complete package; hard disk mounting brackets are included along with all power and interface cables. Trumpcard Pro is shipped with AVS' new TCUTILS 2.0, a completely revised version of Trumpcard disk configuration software. \$279.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

### WordSync Interface for A2000

Hard disk interface for A2000 can be mounted as hard card or used in other configurations. Revolutionary design allows super smooth video, sound, and with no rude interruptions for hard drive access. Includes everything that comes with A2000 Supra Drive except hard disk. Autoboots from FFS partition. \$149.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## ♦ ♦ ♦ HARD DRIVE KITS ♦ ♦ ♦

### MAX—125™ Autoboot Interface Adapter

Allows you to connect IBM-compatible hard disk controllers and drives to ALL Amiga computer systems. Works with many 8- and 16-bit XT and AT, ST506/412 & ESDI controllers and virtually all hard drives of these interface types. A2000 version takes only one slot position to handle two controllers when inserted in the right-most expansion slot and can be configured as a HardCard with optional mounting bracket. Passes the bus for the A500 and A1000. Priority selectable booting/mounting FastFileSystem partitions of up to four controller boards for a total of eight hard drives. Controller types and drive sizes can be intermixed. Compatible with A500/A1000/A2000/A3000, and most CPU coprocessor boards. Prices range from \$149.95 to \$189.95  
*Palomax, Inc., 424 Moreboro Road, Hatboro, PA 19040-3932, (215) 672-6815*

### ♦ Onyx External Harddrive Kit

Expand your Amiga's harddrive capacity fast, easily, and inexpensively with TTR's Onyx series external SCSI harddrive kits. Use your existing harddrive controller (if it has external 25-pin connector). We use only Quantum LPS series harddrives. 52, 105, 120, 150, 170, and 210MB drives available. Kits come assembled with drive, cables, internal power supply with mini-fan, and extra SCSI pass thru port for daisy changing other SCSI devices. The 52 meg kit is \$499.95.  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071*

## ♦ ♦ ♦ HARD DRIVE ♦ ♦ ♦ ACCESSORIES

### 50 flat SCSI cable x 12-inch

Order #FTA-FC12. \$14.50  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### 50-pin flat SCSI cable x 18-inch

Order #FTA-FC18 \$15.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

### 50-pin flat SCSI cable x 6-inch

Order #FTA-FC6. \$14.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## Adapter board

25-pin sub-D to 50-pin flat cable. Order #FTA-SMAC \$22.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## EPROMS-ADV

GVP Advanced Autoboot EPROM kit with Autoboot EPROM and removable media support. \$69.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*  
**Please see display ad page A.**

## External Expansion Cable for Mini FastCard

Order #FTA-EXC. \$25.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## Faaastrom Kit-A500

RAM and easy-to-use software for the A500 greatly increases drive speed, gives full removable media support and AMAX II hard drive support. \$49.95  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*  
**Please see display ad page A.**

## FastSimm 1™

100 ns. zero wait-state 1MB SIMM memory module. Order #FTS-001. \$65.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## FastSimm 4™

100 ns. zero wait-state 4 meg SIMM memory module. Order #FTS-004  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## FastTrak Chassis

Includes chassis, power supply and fan, less drive. Order #FTC \$130.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## Hard Disk Slammer V1.10.A

This version of Hard Disk Slammer includes a new feature that will let users define their own target drives. The previous version supported only DH0 and DH1. You can now define these target drives yourself. This allows users that have drives like JHO: and FHO: to define their drives, and once the menu is configured, Slammer will always boot up with these options in the target button area. Some drive names have already been set. If your drive name is different, pull down the project menu and select Configure Target. Options will be saved and re-loaded the next time you run Slammer. The device names must be three characters with an accompanying colon. Version 1.10.B is available with clickable buttons. Version 1.10.C is available with a feature called Scout which examines a disk's contents and structure and automatically sets Slammer options to ensure proper installation. Slammer can be executed either through Workbench or through a CLI. \$34.95  
*Zammoth Software, 328 Fair Street, Mansfield, OH 44903, (419) 526-6402*

## Parallel Port SCSI Adaptor

Device converts printer port to high-speed SCSI port. Printer is passed through transparently. Cost-effective, it plugs into all models of the Amiga. No compatibility worries. Forms a great portable hard drive and SCSI device system when used with Tiny Tiger. Twelve-month warranty. \$99.00  
*M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## SCSI-STD 17/12

Standard two-drive cable (12 and 17 inch). \$44.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*  
**Please see display ad page A.**

## SCSI-STD/17

Standard 17-inch hard drive cable. \$29.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*  
**Please see display ad page A.**

## SCSI-STD/3

Three-inch SCSI hardcard cable. \$25.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*  
**Please see display ad page A.**

## SCSI-STD/3/17

Two-drive hardcard cable with three and 17-inch connectors. \$39.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*  
**Please see display ad page A.**

## Shielded 25-pin sub-D to 50-pin flat cable.

Order #FTA-26SC \$10.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## ♦ ♦ ♦ HARD DRIVE ♦ ♦ ♦ OPTICAL DRIVES

**600MB Read/Writeable Magneto Optical Drive**  
 Rewritable magneto-optical drive has 600 MB formatted capacity per cartridge. Uses laser technology and is ISO format compatible. 66.7 ms average access time. \$3599.00  
*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*  
**Please see display ad page A.**

## Magnum/650™

The latest in optical storage technology from Sony. Removes all practical limits on disk storage, by producing up to 650MB of storage on a secure removable disk cartridge. Comes with complete driver support, utilities, diagnostic, cables, and one piece of media. Requires compatible SCSI controller. \$4995.00  
*Active Circuits, Inc., 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616*

## OptiStar 600™

OptiStar 600™ is a 600MB erasable optical drive. The drives come pre-formatted and has 10MB of public domain software on them. The OptiStar 600™ also has a power control unit. \$4899.00  
*Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690*

## Ricoh RO-5030E

Ricoh RO-5030E 5.25-inch disk drive provides speedy data access in only 71 milliseconds and offers 594MB of fully rewritable storage on a removable, two-sided magnetic-optical disk. Its sustained data transfer rate is up to 100 kilobytes per second for recording and up to 300 for reading, and has been incorporated into MS-DOS, and IBM OS/2-compatible systems. Uses highly reliable constant angular velocity (CAV) tracking, yielding an outstanding error rate of about one in every 10-12 bits read. Cartridge sold separately for \$250. \$3800.00  
*Ricoh Corporation, Five Dedrick Place, West Caldwell, NJ 07006, (201) 882-2000*

## XY600RW

Erasable optical subsystem consisting of an optical drive in a cabinet, cables, manual, software interface to the Amiga and rewritable cartridges. Each removable cartridge stores 600MB of information. The optical drive appears as a system disk. \$4995.00  
*XXYIS Corp., Distributed by Doer Research, 14531 Martin Drive, Eden Prairie, MN 55344, (612) 492-3913 orders*

## ♦ ♦ ♦ HARD DRIVES ♦ ♦ ♦ REMOVABLE MEDIA

## HardPack 44

SyQuest drive with one free cartridge. Removable cartridges provide safe, secure data transfer and sharing. Excellent for small system backups. In conjunction with Nexus, cartridge insertion and removal detection is automatic. Cartridges provide low-cost storage expansion. Requires 5.25 inch bay or external chassis. \$799.00  
*Advanced Storage Systems, (div. of Preferred Tech., Inc.), 14540 E. Beltwood Pkwy, Dallas, TX 75244, (214) 702-9191*

## Infini40/i

The Infini40/i is a removable media drive subsystem for the A2000 and A500 computers which provides Amiga users with the convenience of 40MB cartridges and the speed of a hard disk drive. This program is ideal for animators, graphic artists,

and others who need to categorize mass storage on a project or client basis and for whom a finite storage capacity does not meet their needs. The Infini40/i is the internal version, which includes a Trumppcard SCSI disk controller, SyQuest drive assembly, two preformatted 40MB cartridges, and all necessary software and cables. Price with Trumppcard \$1049.95 or with Trumppcard PRO \$1149.95.  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

## Infini40D

For those Amiga users desiring additional storage in an external housing IVS offers the Infini40D, a double height version of the chassis that accommodates an additional half height 5.25 or 3.5 hard drive or a second SyQuest drive mechanism. The Infini40D power supply capacity is increased to 60 watts to handle the extra load. \$1269.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

## Infini40S

The Infini40S is the external version of the Infini40 series, which houses the SyQuest drive assembly in a low profile aluminum housing and includes an internal 40 watt switching power supply that automatically senses line voltage and switches between 110/60Hz and 220/50Hz for use anywhere in the world. This package has an externally accessible SCSI device ID switch to allow selection of any SCSI device ID without opening the unit. It also includes two 40MB preformatted cartridges and all software and cables for a total storage solution. \$1099.95  
*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

## LaserDrive

650MB removable, eraseable optical drive. Perfect for fast-growing Toaster system. Fast, quiet and safe. In conjunction with Nexus, automatic insertion and removal situation is supported. Not a WORM or CD-ROM, but a full 650MB of removable media. \$3999.00  
*Advanced Storage Systems, (div. of Preferred Tech., Inc.), 14540 E. Beltwood Pkwy, Dallas, TX 75244, (214) 702-9191*

## M.A.S.T. Removable Hard Drive-External

M.A.S.T. makes a very attractive external case with international switching power supply for the Syquest 44MB removable and M.A.S.T. parallel port SCSI interface. Price includes one cartridge. Additional 44MB cartridges \$89 each. \$649.00  
*M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## M.A.S.T. Removable Hard Drive-Internal

M.A.S.T. is a major supplier of Syquest Removable hard drive mechanisms. The latest release is 21ms access speed. These internal models go into the A2000. The Fireball SCSI controller can be used to control the Syquest Removable drive. Has an elegant user-friendly interface which has true support for the cartridge-eject function. \$499.00  
*M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## SD B44

The SD B44 is an external removable media subsystem utilizing the SD chassis and a 40MB 5.25 half-height Bernoulli drive featuring 33 m/sec. average access time, built-in 32K cache buffer for improved performance. One pre-formatted cartridge and drive cleaning kit included. Shipped with all necessary cables and fully tested. SCSI host adaptor required. (SA500, SA1000, or SA2000 recommended). SD B20 available with 20MB, and 38 m/sec. average access time. Prices are: SD B44, \$2649.00 Canadian; SD B20, \$2499.00 Canadian.  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

## SSD B20

The SSD B20 is an external removable media subsystem utilizing the SSD chassis and a 20MB 5.25 half-height Bernoulli drive featuring 38 m/sec. average access time. One pre-formatted cartridge and drive cleaning kit included. Shipped with all necessary cables and fully tested. SCSI host required. (SA500, SA1000, or SA2000 recommended). SSD B20 is \$2399. SSD B44 available with 40MB, for \$2579. Canadian. \$2399.00  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

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# Drives

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### Series II RH-5500

A 5.25-inch, half-height hard disk drive which uses removable 50MB cartridges and is compatible with all Amiga platforms, including the A500, A2000, and A3000. With its 25-millisecond average data access time, the drive is designed to function as a system's main memory device, replacing conventional fixed hard-disk drives. Each 50MB cartridge offers the storage equivalent of over 60 standard floppy disks; the half-height design allows it to be fit into the same space required of 5.25-inch floppy drives and fixed Winchester drives. Includes disk drive, and a GVP SCSI controller. \$869.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

### Storage Solutions 42RD™

The Storage Solution 42RD™ is a dual version of the Storage Solution 42RT™ \$2599.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### Storage Solutions 42RT™

42MB removable disk drive. The unit comes with one data cartridge pre-formatted and contains 10MB of public domain software. The unit also has power control features. \$1350.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### Super Stream 150 Int™

The Super Stream 150 Int™ is the same as the Super Stream 150™ but without a power control center. \$1250.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### Super Stream 150™

The Super Stream 150™ is a tape archival system that stores 150MB per data cassette. The tape comes with software and a power control center. \$1350.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### Super Stream 60 Int™

The Super Stream 60 Int™ is the same as the Super Stream 60™ but without a power control center. \$899.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### Super Stream 60™

The Super Stream 60™ is a tape archival system that stores 60MB per data cassette. The tape comes with software and a power control center. \$999.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### Supra Drive 44R for A2000

Removable hard disk drive with 44MB cartridges. Includes one cartridge and the WordSync™ Interface. Can be used as primary or add-on drive. Includes Supra Series III™ Hard Disk Utilities and ExpressCopy backup software. \$719.95  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

### Supra Drive 44R for A500

Removable hard disk drive with 44MB cartridges. Comes with one cartridge. Can be used as primary or add-on drive; system must include one Supra SCSI interface. \$719.95 without interface. Includes Dupra Series III™ Hard Disk Utilities and ExpressCopy backup software. \$719.95  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

## ◆ ◆ ◆ TAPE BACKUP ◆ ◆ ◆

### 1.3 Gigabyte 'DAT' SCSI Tape System

Bundled with MRBackup Professional software, includes special DAT drive handler. Is completely WB1.3 and WB2.0 compatible—also has ARexx capability. With a 120-minute tape, 1300MB (1.3 Gigabytes) of storage. Drive can obtain a sustained data transfer rate of 11MB per minute. Capable of burst transfer rates of 1.58MB per second in SCSI asynchronous transfers. Available in half or full high configurations and internal or external kits. TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071

### Impact WT150

The Impact WT 150 is a streaming tape backup system with a Wangtek 150MB, 5.25-inch, and a half-height drive. Includes GVP TapeStore Backup software. \$749.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

### Qic Tape

A small, portable tape backup system that uses the floppy drive port of all Amigas. Full-featured backup software included. Backs up 40 or 60 MB on a single low-cost tape cartridge. \$599.95  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144  
Please see display ad page B.

### SCSI Streaming Tape System

Bundled with MRBackup Professional software. Includes special tape drive handler. WB1.3 and WB2.0 compatible—ARexx capability for automatic handsfree backups. Sizes from 60 to gigabytes—you choose based on your needs. One tape included with kit. Can utilize 12- to 16-bit compression. Available in 5.25-inch or 3.5-inch configurations and internal or external kits. TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071

### SideWinder 250

Two hundred and fifty megabyte per tape back-up solution. In conjunction with FlashBack and Nexus, streaming backups at over 5MB a minute possible. Inexpensive tapes make this the easiest, most cost-effective way to backup your system. Hardware error detection ensures safe and reliable backups. Requires 5.25 inch bay or external chassis. SideWinder 500 is also available with 500MB, for \$949.00. The SideWinder 1000 is a 1 Gigabyte DAT tape drive, with a price of \$2299.00. \$749.00  
Advanced Storage Systems, (div. of Preferred Tech., Inc.), 14540 E. Beltwood Pkwy, Dallas, TX 75244, (214) 702-9191

### Tapestore

GVP TapeStore Backup software and TapeStore EFROM kit. \$79.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
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## ◆ ◆ ◆ HARD DRIVE ◆ ◆ ◆ CONTROLLER W/AUTOBOOT & EXPANSION

### A2000 8 or 16-bit SCSI Plus 8MB RAM Board

An 8MB of Zero Wait States Fast RAM board with autoconfiguring, 8-bit SCSI with transfer rate of 450K bytes per second or 16-bit SCSI controller with lightning fast transfer rate of greater than 950K bytes per second. RAM may be added in 2MB increments. New 4MB chips used. Board is very low power CMOS technology. M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### A2091

The A2091 is a high-performance autobooting hard disk controller and memory expansion board. The device can be fitted with 2MB of memory and provides improved SCSI capabilities. Additionally, the controller provides space for mounting a 3.5-inch hard disk \$199.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### ALF 2 AH5 Hercules SCSI

ALF2 SCSI interface with chassis for one hard drive and opt. RAM expansion up to 6MB. Installation software and ALF tools and ALF backup. \$255.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

### Autoboot Card for 2090 Controller

An add-on card for the Commodore A2090 hard disk controller which allows full autoboot directly from the hard drive under Kickstart 1.2 and 1.3. The card can be plugged into any 100 pin Amiga slot. Because the driver software and the necessary parts of the mountlist are stored in ROM, a start diskette is not necessary to start the system. It is also possible to boot directly from a Fast File System partition, something even the newer A2090-A cannot do. Any drive can be defined as the boot device, including Seagate SCSI drives. \$119.00  
Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### Impact A2000-HC8-0/0-II

The Impact Hard Card Series II consists of a SCSI autoboot hard drive controller card which allows mounting of a 3.5 inch drive directly on the card. The card can also be configured for up to 8MB of standard 16-bit fast RAM memory. Comes with OK \$249.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

### Nexus-8

Fast, non-DMA HD controller with room for up to 8MB of expansion memory. Complete software support includes graphic formatter, Flashback backup software and six others. Five year warranty. Free 800 tech support. Supports A-MAX II, UNIX, removable media drives, tape drives, and DAT's right out of the box. \$299.00  
Advanced Storage Systems, (div. of Preferred Tech., Inc.), 14540 E. Beltwood Pkwy, Dallas, TX 75244, (214) 702-9191

### SCSI + HD Controller and Multiport Board

This full-length internal expansion provides RS232 output, Parallel printer output, and an RS422 output for networking capability. In addition you get an ultra fast autoboot SCSI controller. All drivers and software are included. INTERACT networking software is available separately from DigiFeX. \$299.99  
DigiFeX Corporation, 610 Main Street, Oregon City, OR 97045, (503) 656-8818

# AC's TECH / AMIGA

## Hardcore Amiga Information.

1-800-345-3360

(Credit card orders only, please)

# Memory Expansion

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## ❖ ❖ MEMORY EXPANSION ❖ ❖ GENERAL

### 512K Internal Memory

An internal replacement for Commodore's A501. Features external disable switch. Clock and RAM optional. System requirements: A500. AUS \$119 with clock; AUS \$99.00 without clock.

Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752

### 512K RAM Expansion

512K memory expansion for A500. Available with and without clock/calendar option. Has on-board switch to switch the memory in or out without removing the board. \$99.95

Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110

### 8-UP! (DIP)

FastRAM DIP (Dual Inline Package) is a truly Amiga-specific version of the popular 8-UP! (SIMM). Using MicroBotic's Programmable Macro Logic chips assures a zero wait state/minimal-refresh-collision memory design. Extremely low-power memory card 8MB 8-UP! (DIP) draws an astoundingly efficient 800 milliamps! All RAM is conventional, socketed 1-megabit by 1, 120ns DIP RAM. For maximum flexibility, memory space is divided into two autoconfiguring devices-PIC's. Each consists of two banks of 16 sockets. Possible memory sizes are 2, 4, 6, and 8MB. \$199.00 and up.

MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081, (214) 437-5330

### 8MB Memory Board

An external 8MB memory board for A1000. Features auto-config disable switch, pass through and fully socketed for easy memory additions. AUS \$499.00. 2MB Populated.

Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752

### A2000-RAM 8/2

Half size RAM board comes installed with 2MB of zero-waitstate fast memory expansion for the A2000. Memory can be added in 2MB increments and is automatically auto-configured. \$225.00

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

Please see display ad page A.

### A2058 RAM Board

2MB RAM expansion for the A2000 expandable to 8MB. \$349.00

Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### AX 1000/AX 2000 RAM Board

The AX1000/AX2000 is an auto-config 1MB or 2MB meg RAM board for the A1000. Both have full pass-through on the expansion bus, allowing multiple expansion devices to be connected, allowing to expand the A1000 system as the need arises. Prices are: \$549.00; \$899.00 Canadian.

Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553

### ● AdRAM 2080

Add 2, 4, 6, or 8MB of fully autoconfigurable fast RAM to your A2000 quickly and easily. \$179.95 ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

### ● AdRAM 505

This half-sized card fits in the A501 slot under the keyboard and adds 512K of valuable RAM and a clock. Available with or without RAM. \$39.95 ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

### ● AdRAM 540

The first module, AdRAM 540, lets Amiga owners add up to 4MB of RAM to their system. AdRAM 540 fits cleanly into the A501 expansion port, and can be purchased with or without RAM chips. Users can add their own CMOS 256Kx4 DRAM chips over time, in affordable 512K increments. \$149.95 ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

### ● AdRAM 560D

AdRAM 560D, the second module in the series, comes with 2MB of RAM built-in and plugs directly into any AdRAM 540, the AdRAM 560D adds up to 6MB of internal RAM. The AdRAM 560D includes 2MB of RAM already installed. \$199.95 ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

### Ammege I A1000

Memory expansion for the A1000; has 1MB of memory. External. Zero wait state design, auto-configuration under 1.2. Populated board available. 0K Board \$163.95 Kline-Tronics, 10 Carlisle Ct., York, PA 17404, (717) 764-4205

### Aries

Holds up to 8MB in 2, 4, 6, or 8MB configurations. Selectable two and four memory configuration when 6MB installed. Five-year warranty. Uses 1MB. Comes with AmigaDOS Explorer, Memory Doctor (graphic memory test) and FlashDisk (a better than RAD: recoverable RAM drive). Memory test/jumper ensures all memory tested. \$169.00

Integrated Memory Products, Div of Preferred Technologies, Inc., 14540 E. Beltwood Pkwy., Dallas, TX 75244, (214) 702-9191

### BASEboard

The BASEboard is a 4MB memory upgrade card for the Amiga 500's A501 slot. With the optional daughter card the total can be increased to a total of 6.5MB. The BASEboard provides a battery-backed clock, works with both the 512K and the 1MB versions of the Agnus chips, and is 100% compatible with all Amiga software. The BASEboard features 'plug in' installation without any soldering for both Agnus chips. The memory board utilizes special four layer construction allowing you to use any speed memory from any manufacturer. The 4 x 8 socketed memory array uses industry standard 256 x 4 DRAMS and the memory can be increased in 512K increments. Its low power design does not require extra power

and its location leaves the expansion bus free for additional peripherals. Optional contiguous memory mapping is available up to 6MB with the OVERboard. 0K memory. \$149.95

Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890

### BattDisk

A battery-backed very fast Static RAM Disk for the A2000 & A3000. Provides up to a 2MB Static Ramdisk that is easily expandable from 0K, in 64K or 256K increments to 2MB. Does not take any Amiga memory expansion space. Will survive power down. Device is fully autobootable under 1.3. Excellent for multimedia applications or animations where you need access. Data transfer rates up to 2.7 MB per second. Can be hardware or software write-protected. Also available in an Eprom version, for use in turnkey systems. \$269.95 w/0K.

DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750

Please see display ad page 26.

### Catalina Card

The Catalina Card is an 8MB RAM expansion daughterboard that mounts onto the California Access Malibu Board SCSI controller. Autoconfigures in 2, 4, and 8MB combinations. Uses easy-to-use mount SIMM modules (1MBx8), so users can install the memory themselves. No wait states designed. Low part count insures reliability. Mounts easily onto the Malibu Board SCSI controller and sits flush with the height of a standard mounted 3.5 inch hard drive. An economical alternative to stand-alone 8MB memory boards. \$99.95

California Access, 130 Knowles Drive, Los Gatos, CA 95030-1832, (408) 378-0340

### Cortex 512K RAM Expansion for A500

Lowpower 1MB RAM chips. Enable/disable switch. Fat Agnus compatible for 1MB Chip RAM. Available with or without battery-backed clock/calendar module.

Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England, (011) 4451-236-0480

### Cortex 8MB RAM Expansion for A1500/A2000

Fully implemented auto-configure. Zero wait-states. Uses standard 1MB x 8 or 9 bits SIMMS. Available as 2MB, 4MB, 6MB, or 8MB.

Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England, (011) 4451-236-0480

### Cortex 8MB RAM Expansion for A500/A1000

Fully implemented auto-configure, operational through-bus. Has its own power supply. Zero wait states. External fitting-warranty remains intact. Available for 0MB, 269.; 2MB, \$399.; 4MB, \$529.; 8MB, 759.

Cortex Design Technologies Ltd., Britannia Buildings, 46 Fenwick Street, Liverpool L27NB, England, (011) 4451-236-0480

### DataFlyer

The DataFlyer is a full-featured hard drive controller for the Amiga. This non-DMA hard drive controller is available in SCSI or IDE models. The DataFlyer controller has all the standard features of products costing twice as much and more. The IDF clocks test speeds of 825K reads and writes using the Diskspeed tests. The DataFlyer 500 and 1000 includes a chassis that easily plugs onto the Amiga expansion bus and accepts your choice of any 3.5-

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# Memory Expansion

inch hard drive unit. The cards in the chassis can be removed and installed in an expansion card slot of any Amiga 2000. An additional 8MB of RAM can be added to any controller (now or later) with the optional DataFlyer RAM board. A long list of features insures ease of operation. Options include DB25 SCSI pass through, hard card rails and power supply for the DataFlyer 500. Prices for the hard drive controller with autoboot range from \$89.95 to \$249.95. Prices for the hard drive controller with autoboot and expansion memory range from \$209.95 to \$369.95.

*Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890*

## EXP-8000+ w/2MB

Fully internal 2, 4, and 8MB expansion board for A500. Has coprocessor sockets for adding a 68010 or 16-25 MHz 68881 coprocessor, w/2MB installed. \$349.95

*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144*

## Please see display ad page B.

## FastRam for A1000 (option)

FastRam board for the A1000. Order #FR10. \$85.00  
*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## FastRam for A500 (option)

FastRam board for the SA-5 host adapter allows memory expansion to 8MB using FastSimm modules. (FastSimm modules may be purchased separately). For the A500. Order #FR5. \$75.00

*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## FastRam with 2 meg

FastRam board with 2-1MB memory modules installed. For the A500, order #FR5-2; \$205.00. For the A1000, order #FR10-2; \$215.00.

*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## FastRam with 4 meg

FastRam board with 4-1MB memory modules installed. For the A500, order #FR5-4; \$375.00. For the A1000, order #FR10-4; \$385.00.

*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## FastSimm

1MB SIMM memory module with zero wait-state 100 ns access speed. Order # FTS-001.

*Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685*

## IN1000 1.5MB Internal RAM Expansion

Model IN1000 is an internal memory expansion guard with clock for the A1000. Includes battery-backed time/calender, and is auto-configurable from 512K to 1.5MB in half meg increments. Available 0K, fully socketed, uses 256K x 1 DRAMS, and includes software support disk with test and utility programs. \$199.00

*Spirit Technology Corp., 220 West 2950 South, Salt Lake City, UT 84115, (800) 433-7572*

## Insider II

Allows A1000 owners to add up to 1.5MB of Fast RAM internally. User Expandable in 512K increments using 256K x 4.0 RAMS. Includes battery-backed clock calender. Comes with software for the clock and testing RAM. Simple installation, no soldering required. The Insider II is compatible with the Kwikstart Rom board. \$199.95 w/0K.

*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750*

## Please see display ad page 26.

## KCS Power PC Board

You now own a unique high-quality technical product which will considerably increase the possibilities of your Commodore Amiga 500. Includes 16-color CGA and hard drive support for Commodore A590. Has 20%-30% faster disc loading. Speeds up to 11 MHz. As an emulator, the KCS Power PC Board converts your Amiga into a fully compatible IBM-PC™ computer, allowing full use of the printer and serial port, mouse, one or both joysticks, and one or more external disk drives. \$449.95

*Pulsar, 410 Maple Ave, Westbury, NY 11580, (516) 574-0225*

## • KwikStart II

Allows A1000 owners to install a V1.3 and V2.0 Kickstart Rom in their A1000. Will let you upgrade to the latest operating system without using up your system memory. You can still boot from disk-based Kickstart if needed. Compatible with the Insider and Insider II. From the maker of the first internal Fast RAM expansion board for the A1000.

\$99.95 w/o RAM. \$99.95

*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750*

## Please see display ad page 26.

## MM 2130 MEGA-MEMORY BOARD™

A2, 4, or 8MB 32-Bit DRAM daughter board for the Mega-Midget Racer™. Programmable DRAM controller allows for the use of 100NS to 60NS DRAM chips. Faster RAM provides faster throughput. Allows for 19MB of RAM to be installed into ANY Amiga computer. Surface-mount design saves space and enhances reliability. Prices start at \$349.

*CSA/Computer System Assc., 7564 Trade St., San Diego, CA 92121, (619) 566-3911*

## MegAChip 2000/500

Allows Amiga 2000 and Amiga 500 owners to expand their 512K or 1 MB Chip RAM to 2MB of Chip RAM. Uses the 2MB Agnus that is used in the A3000. Doubles the amount of RAM accessible to the Amiga's custom chips. Excellent for DeskTop Video or Publishing. Expands your capabilities for 3-D rendering and animations, graphics design, and digitizing. \$299.95

*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750*

## Please see display ad page 26.

## MegaBoard 2000

Provides the A2000 with 2MB of internal RAM. The MegaBoard 2000 is fully auto-configuring with a high speed discrete RAM controller which provides a no-wait state; uses only one expansion slot, and has built-in hardware refresh. Extensive test software and a complete installation manual make the MegaBoard 2000 a snap to install. \$349.95

*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144*

## Please see display ad page B.

## • Memory for Amiga

Memory expansion for the A500, A1000, and A2000. For the A500 we offer 1/2 to 8MB of internal and external (leftside) memory. For the A1000, we offer 1/2MB of internal and external (rightside, frontside) memory. And for the A2000, we offer 1/2 to 8MB of internal memory expansion. \$69.95 to \$579.95. NTSC, PAL, AmigaDOS 2.0 compatible.

*Skyles Electric Works, 231E South Whisman Road, Mountain View, CA 94041, (800) 227-9998*

## Meta4

Meta4 is a zero-wait state memory expansion card for the A2000. Using state of the art SIMM memory modules, either 512K, 1MB, 2MB, or 4MB of RAM may be plugged into Meta4's four low profile sockets. The 512K and 1MB increments are available using 256K x 8 SIMMs while 2MB and 4MB increments are available using 1MB x 8 SIMMs. Meta4 measures in at 1/2 the length of a standard Amiga card and is specially designed to fit in their Trumpcard 500 enclosure along with the Trumpcard SCSI disk controller and the SCSI disk drive. Power consumption is kept to a bare minimum with smart refresh circuitry that draws less than one amp when fully populated with 4MB of RAM, and fully loaded, Meta4 consumes less than five watts. 512K: \$319.95, 1MB: \$399.95, 2MB: \$469.95, 4MB: \$699.95 \$169.95

*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

## MiniMegs™

A 2MB external RAM board for A500 and A1000. Snaps onto external bus port. Fast RAM. Zero wait states. Low power pocket size. Autoconfigures. RAM tachometer. 512K, 1MB, and 2MB. Comes with a 12-month warranty. \$299.00

*M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*



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# Memory Expansion

## OVERboard

The OVERboard plugs onto the BASEboard and provides an additional 2MB of memory. It brings your Amiga up to 6.5MB of internal memory. The mapping provides 4MB contiguous memory blocks with optional mapping available that increases it to 6MB. It comes with 512K installed and sockets for an additional 1.5MB. The OVERboard also utilizes worry-free four layer construction. \$129.95  
Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890

## Octabyte

Octabyte is available with 0 to 8MB (in 2MB increments). The Octabyte 8MB board is an auto-configuring, 0 wait-state board. Easy to install. Includes software disk with test and utility programs. \$192.00  
Spirit Technology Corp., 220 West 2950 South, Salt Lake City, UT 84115, (800) 433-7572

## Octo-Plus A2000 FastRAM Board

An 8MB Fast RAM for A2000. Zero wait states, Autoconfigure. 2, 4, 6, or 8MB low power. Twelve-month warranty. \$239.00  
M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## ♦ RA5 Series Internal RAM Card for Amiga 500

RA5-512K—512KB RAM card. RA5-2M—2MB RAM card, with 512KB CHIP-RAM and 1.5MB Fast-RAM. RA%-2M-0—0-2MB RAM card unpopulated. Easy to install on the A500. Supports reset-proof RAM disk, fully compatible with hard disk. Supports On/Off switch to Enable/Disable expanded RAM.  
CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (800) 798-2497

## ♦ RC-2000

2-8MB memory upgrade for A2000 which includes 2MB on board. \$199.00  
GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

## Series II A2000-RAM 8/2

Series II RAM Expansion Board for the Amiga 2000. The RAM Expansion board comes with 2MB of factory-installed, auto-configured RAM, expandable to 8MB. Memory modules are easily installed. The new RAM board also supports a 6MB configuration for maximum memory utilization for Commodore's A2088/2286 Bridgeboard users. \$225.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## Supra RAM 2000

RAM board for the A2000. Easy to expand. Zero wait states and hidden refresh. Four-layer board reduces noise and improves reliability. Made in the USA. 2MB, \$229.95; 4MB, \$329.95; 6MB, \$419.95; 8MB, \$499.95. Five year warranty.  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

## ♦ SupraDrive™ Floppy Disk Drive

Quiet, reliable floppy disk drive works with all Amiga computers. 1MB unformatted capacity. Pass-through port for connecting additional drives. Virus protection and anti-click noise reduction. \$149.95  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

## SupraRam 500RX

The SupraRam 500RX is a 1/2 to 8MB external FAST RAM expansion that lets the A500 user run larger and more sophisticated programs and create large, very fast RAM disks. The board fits into a compact case that easily plugs onto the computer's expansion port. It features an Amiga bus pass-through that allows the user to connect additional devices. It uses zero-wait states and hidden refresh

for optimal speed, and features a test mode and diagnostic software to simplify troubleshooting. One-year warranty.  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

## The DataFlyer RAM

The DataFlyer RAM is a 4/8MB memory board that plugs onto the DataFlyer interface or can be used as an A2000 card in a 100 pin slot. Using 256 x 4 DRAMs, memory can be added in increments of 512K up to 4MB. Using 1MB x 4 DRAMs (DIP), memory can be added in increments of 2MB and up to 8MB. 0K memory. \$119.95  
Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890

## X-RAM, 8.0MB External Expansion RAM

Chassis enclosed, external 8MB RAM memory expansion system for A500/A1000. The 2, 4, 6, and 8MB expandable RAM plugs into the 86-pin side bus. The chassis enclosed memory board can be plugged directly into A2000 100-pin expansion bus. \$270.00  
Spirit Technology Corp., 220 West 2950 South, Salt Lake City, UT 84115, (800) 433-7572

## ♦ ♦ ♦ 32 BIT MEMORY ♦ ♦ ♦ EXPANSION

### ♦ Program 3000

64MB memory expansion board for A3000 series computers. 32-bit design allows use of 1MB x 8 and 4MB x 8 low-cost 80 ns page/static column mode SIMM modules. Supports many configurations from 4MB to 64MB. Price TBA.  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144  
Please see display ad page B.

## ♦ ♦ MEMORY EXPANSION ♦ ♦ ♦ W/CLOCK

### 501-s Memory+Clock

Half a MB, Clock, and Switch for the A500! When you add the inboard 512K memory and clock module to your A500, make it a MicroBotics-brand, plug compatible work-alike. Its built-in switch allows you to shut it down without having to uninstall it when ill-behaved software expects no more than 512k in your Amiga. The M501-s uses high-quality 256K-by-1 CMOS memory chips and a long-life, user replaceable lithium battery. Set the Microbotics clock using the same software on your Workbench disk as you use for the Commodore clock. \$79.00  
MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081, (214) 437-5330

### A501 RAM Expander

Expansion inboard 512K memory and clock module, expands your A500 to 1 MB and keeps it up-to-date. \$149.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### MICROMEGBS

Ultimate low power 512K internal RAM expansion. A501 clone. Uses 1MB DRAMS. Battery-backed clock/calendar. Small size. Fits under A500. User-installable. Switchable. Twelve-month warranty. \$59.00  
M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### ♦ Power PC Board™

IBM PC emulator for Amiga 500 and 2000 computers. 1MB PC RAM. Supports Hercules, CGA, VGA, and MCA monochrome and 16-color modes. Includes clock/calendar and DOS software. \$399.95  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

## ♦ RC-500

512K memory upgrade for the A500 with clock/calendar. \$59.00  
GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

## RM550C

This 512 KB RAM Card for A500 Systems comes with on/off switch and quality chip and battery in slim card size. \$79.00  
ROCTEC Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030, (408) 379-1713

## ♦ SupraRAM™ 500

This 1/2MB memory expansion includes battery backed-up clock/calendar. Easy to install in expansion slot on bottom of Amiga 500. \$79.95  
Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

## Trapper, A500 512K RAM Expansion

Trapper features A500 trapdoor 512K expansion card, and quick and easy plug-in installation. It is 100% compatible with the A501 expansion card from Commodore, as well as with the Fatter Agnus upgrade chip. Includes battery-backed time/calendar, and 256K x 1 and 256 x 4 board versions are available, 0K or populated. \$44.00  
Spirit Technology Corp., 220 West 2950 South, Salt Lake City, UT 84115, (800) 433-7572

## ♦ ♦ BATTERY BACKUP ♦ ♦ ♦ MEMORY

### R 502-U

Internal RAM card for A-500 computer with real-time battery backed up clock. This unit mounts where the regular 501 card mounts. \$160.00  
Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690

### Stramdisk

Static RAM card w/ battery back up support. Auto-configures. Auto cold boots. Load up your favorite boot software or operating system. Have it instantly available when you power up or re-boot your Amiga. Available in 0K, 256K, 1MB, and 4MB. Plugs into A2000 or BusExpander™.  
Bill's Boards, 9528 Miramar Road, Suite 181, San Diego, CA 92126, (619) 486-0908

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MEMORY	UNIT	2MB	4MB	8MB
1X4-80 SC ZIP	\$ 22.50	90	180	352
1X4-70 SC ZIP	26.50	106	212	416
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1X4-80 PAGE ZIP	27.50	110	220	424
1X1-80	5.25	84	168	320
256X4-80	5.25	84	168	320
256X4 ZIP	5.25	84	168	320
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4X8-80 SIMM	169.00	-	169	330
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# Video Toaster

## ◆ ◆ ◆ TOASTER ◆ ◆ ◆

### ◆ Background Bits 24

This is a collection set up for those either titling with a Video Toaster or any other 24-bit program that accepts a 736 x 480 overscan ability. Graduated shades in Blue, Gold, and greens, shaded Boxes, gridwork, and brushes to create your own are packed on these two handy disks. \$28.00  
CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

### ◆ TREXX Professional

Quickly and easily create very complex AREXX scripts for controlling every AREXX-controllable aspect of the Video Toaster. It allows you to control other external devices that you can attach to the serial port. Features a powerful Intuition interface, execute amigaDOS commands from within a script, create script loops, link scripts together, cut and paste operations, flexible Undo feature. Run scripts from WorkBench icons, from within TREXX Professional, and place accurate time delays in scripts. AmigaDOS 1.3 and 2.0 compatible \$79.95  
KludgeCode Software, P.O. Box 1163, Holland, MI 49422-1163, (616) 786-0740

### ◆ V-LAN Driver

The V-LAN Driver allows Newtek's Video Toaster to be automatically controlled from any V-LAN compatible edit control, such as the SuperMICRON. Both mixes and wipes are supported, with 10 wipes being selected directly from the controller and the other wipes set up on the Toaster. The V-LAN compatible machine controller connects directly to the serial port of the Amiga. A disk is included that contains the AREXX file for the Toaster directory. The driver also provides for frame-by-frame animation control performed from the Amiga serial port via a V-LAN compatible animation controller. Parallel VCR: \$2930.00; Serial VCR: \$2230.00  
Videomedia, 175 Lewis Road, San Jose, CA 95111, (800) YES-VLAN

### ◆ Video Delay Line

The Video Delay Line is designed specifically for use with the Video Toaster and the Amiga. The Toaster has an internal 400+ nanosecond delay which must be accounted for when integrating it into broadcast or post production use. Toaster users must time their system to compensate for this 400+ nanoseconds by adding delay to other video signals they intend to use in conjunction with the Toaster. The Delay Line provides a 360 nanosecond fixed delay and a 127 nanosecond switch variable delay to compensate for the Toaster. With the Delay Line, all video signals can be easily timed to the Toaster video signal. In addition, it can be used for timing inputs two, three, and four on the Toaster to input 1. NTSC and PAL available. \$275.00  
Allen Avionics, Inc., 224 East Second Street, Mineola, NY 11501, (516) 248-8080

### Video Toaster

The Toaster is a broadcast-quality video computer which sits inside the Amiga. It has four VLSI custom chips and its own RAM. It does not use Amiga

output, but rather produces its own output. The Toaster will be shipped with a character-generating program, with Toaster Paint (a 24-bit paint program) and Toaster 3D due later this year. The Toaster includes a seven-channel production switcher which will switch between seven stable (i.e., camera or time-base-corrected tape) sources and provide dissolves and wipes. The Toaster is also a broadcast-quality genlock, frame grabber and digitizer. The Toaster is also a DVE (Digital Video Effects) unit with real-time manipulation of live video. Over one hundred pre-programmed effects will come with the first release of the Toaster with more available later. The Toaster also includes dual frame buffers (which will also work with standard 24-bit IFF RGB files such as those produced by Sculpt and Silver). Output from the Toaster is straight, 24-bit, 16-million color, broadcast-quality NTSC. \$2495.00  
NewTek, 215 E. 8th St., Topeka, KS 66603, (913) 354-1146

### Video Toaster Training Volume One

First in a series of VHS instructional tapes on NewTek's new Video Toaster. Covers the many features of the Toaster and instructs the viewer how to use these features in video production and editing. Vol. One covers hardware requirements, production switcher operation, digital effects tips and techniques, character generator program, frame store application, luminance keying, and chroma effects. \$39.95  
TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028

### ◆ Video Toaster Workstation

An entire television studio full of equipment, compacted into one easy-to-use tool. This self-contained system requires no host computer, but is compatible with many graphic file formats from a variety of personal computers. It comes ready to operate with video switcher, digital effects, 3-D animation, broadcast paint 35 ns character generator, frame grabber, still store, and more. \$3995.00  
NewTek, 215 E. 8th St., Topeka, KS 66603, (913) 354-1146

### ◆ Video Toaster Workstation/30

The Workstation/30 has all the functions of the standard Toaster Workstation but adds the additional power of Motorola's 68030 processor running at a blistering speed of 50 MHz. Enhanced specifically for the needs of 3-D animators and videographic artists, the Workstation/30 provides the horsepower to take on large 3-D rendering projects. It also has a 68882 math coprocessor running at 50 MHz to speed complex graphics calculations up to 20 times. \$8995.00  
NewTek, 215 E. 8th St., Topeka, KS 66603, (913) 354-1146

## ◆ ◆ ◆ TOASTER FONTS ◆ ◆ ◆

### 1st Prize Toasted Fonts

These fonts are used in the Toaster CG SCROLL & CRAWL pages only. They have crisp, well-formed letter shapes, absolute minimal computer pixel jaggies, uniformity of proportionality, and legible

default 'kern' letterspacing optimized for video technology. Customers are also given an opportunity to acquire the original bitmaps from which these Toasted Fonts are created (sold separately), so their investment is protected by allowing them to achieve uniform results from their other Amiga software and hardware purchases. Retail price for these products is \$69.95 each package or \$349.75 for the whole 228 fonts.

Allied Studios, 482 Hayes Street, San Francisco, CA 94102, (415) 863-1781

### Cinnamon Toast Fonts

The first alternate multi-color fonts available for NewTek's Video Toaster. Cinnamon Toast Fonts are dimensional multi-color font styles created in 24-bit color values and converted to NewTek's ToasterCG 16-bit video font files. This first set is a four-disk package with six styles in two sizes each for a total of 12 fonts. The fonts were designed for headline or program titles and range from 44 to 64 scan lines in height. Styles are Ice, Hammered, Contrast, Scout, Engrave, and Jewell. \$99.95  
Shereff Systems, Inc., 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022

### ◆ KARA FONTS-TOASTER FONTS 1

Anti-aliased 16 million color fonts for the Toaster CG. This font package will give Toaster users the professional broadcast quality 'look' to use for titling. There is a wide variety of 3-D looking texture treatments and type styles. This package, containing six disks, has four different fonts in two sizes each. Every font includes the full character set of CAPS, Lower Case, numerals, and special characters. Includes a Hard Drive installation program. TF1 contains four distinctive fonts in styles of shiny and metallic surfaces. Fonts included are Chrome, Gold, Goldextruded, and Inflated. \$99.95  
Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177

### ◆ KARA FONTS-TOASTER FONTS 2

Anti-aliased 16 million color fonts for the Toaster CG. This font package will give Toaster users the professional broadcast quality 'look' to use for titling. There is a wide variety of 3-D looking texture treatments and type styles. This package, containing six disks, has four different fonts in two sizes each. Every font includes the full character set of CAPS, Lower Case, numerals, and special characters. Includes a Hard Drive installation program. TF2 consists of four textured fonts in four different type styles. Comes in textures of Marble, Granite, Wood, and Brass (brushed). \$99.95  
Kara Computer Graphics, 2554 Lincoln Blvd. Suite 1010, Marina Del Rey, CA 90291, (213) 578-9177

### ◆ Masterpiece Toaster CG Fonts

All 110 fonts from the Masterpiece Professional Font Collection have been converted to the Toaster CG format, ready to load and use immediately. These fonts only work with the Video Toaster CG. \$150.00

ARock Computer Software, P.O. Box 731, Springfield, MO 65801, (417) 866-8803

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## ◆◆◆ VIDEO HARDWARE ◆◆◆ GENERAL

### AirLink 2.3

The AirLink is connected to the second mouse port and contains an infrared receiver and transmitter. Make pop-up AIR (Amiga Infra Red) screen duplicates of your favorite IR remote controllers. Output for remote-wired IR LEDs. Includes an AIR Window library of LDs, CDs, VCRs, etc. Also includes AmigaVision, Bars & Pipes, HyperBook, and ARexx examples. Trigger IR commands from the mouse, menus, hotkeys, timer, CLI, ARexx, MIDI, serial, or the parallel port. \$50.00  
*Geodesic Publications, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566*

### Color Splitter

For use with Digi-View, this electronic color splitter allows users to capture color images from VCR, LaserDisk, CamCorder, or any still NTSC video source without using color filters. \$150.00  
*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818*

### DQ-TACO Toaster Animation Controller

This single slot, board-level video animation controller is designed to work within the Amiga 2000/2500 series with the Newtek VideoToaster, as well as within the Amiga 3000 series with other graphics applications. The controller has a seamless interface to LightWave 3D and can be expanded to control multiple serial VTRs for editing and multimedia applications. Features include accurate recording; automated functionality; control of video, laser disc, and digital disk recorders; multiple software interfaces. NTSC or PAL available. \$1795.00  
*Diaquest, 1440 San Pablo Ave., Berkeley, CA 94702, (415) 526-7167*

### LaserView Laser Disc Player

The LaserView Laser Disc Player consists of a Pioneer LD-V2000 Laser Disc Player, cabling and software driver that works with Commodore's AmigaVision software. A cable connected to the Amiga's parallel port controls the player through the AmigaVision Disc Player icon instead of a remote control. AmigaVision programs that operate with the Pioneer 2200 and 4200 series Laser Players will also run with the LaserView Disc Player. \$699.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 118.**

### MIDI-Mice

MIDI-Mice is a man-machine interface for the Amiga, for use in your interactive hypermedia productions and performances. By emulating all mouse and keyboard functions, MIDI-Mice software allows you to control virtually any video, music, or paint programs from your MIDI instruments. \$85.00  
*Tensor Productions, 280 Mathilda Drive No.9, Goleta, CA 93117, (805) 685-2994*

### MediaPhile 2.0A Infrared Controller

Controls video decks, compact and laser disc players, and other infrared controlled devices from personal computers. One infrared signal output, two independent Sony S-port outputs and one infrared sensor input. Learns infrared codes for any device. \$245.00  
*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

### MediaPro Interactive Multimedia Controller

MediaPro, designed to stand alone or multitask with a host Amiga, provides a low-cost control system for interactive multimedia applications. MediaPro, with its own CPU, reads application software from a laser disc on bootup and accepts and interprets input from touch screens or keyboards. The board, with four serial ports and eight I/O ports, provides user controls for stereo audio amplifier, diagnostics, printer functions, proximity sensing, coupon dispensing, and other control functions. \$695.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 118.**

### MegAChip 2000/500

Allows Amiga 2000 and Amiga 500 owners to expand their 512K or 1 MB Chip RAM to 2MB of Chip RAM. Uses the 2MB Agnus that is used in the A3000. Doubles the amount of RAM accessible to the Amiga's custom chips. Excellent for DeskTop Video or Publishing. Expands your capabilities for 3-D rendering and animations, graphics design, and digitizing. \$299.95  
*DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750*  
**Please see display ad page 26.**

### ◆ PC-VCR

A computer controllable SVHS/VHS VCR that permits frame accurate searching and operation for desktop multimedia applications. The PC-VCR can be operated by any RS-232 serial port with ASCII commands. A frame code is recorded on any tape without intruding on existing video or audio content. This code, in seconds and frames, permits computer control of the PC-VCR for editing, interactive presentations and video retrieval purposes. With computer control and frame accurate search, the PC-VCR can take both existing programs and new recordings and make them computer interactive. Cable not included; ordered separately. Sold only in the U.S. and Canada through NEC Multimedia dealers. Available in NTSC only. \$2100.00 list plus \$55.00 for cable. \$2100.00  
*NEC Technologies, Inc., Professional Systems Division, 1255 Michael Drive, Wood Dale, IL 60191, (800) 562-5200*

### PowerMid PM5900

The PowerMid PM5900 (Transmitter and Receiver) is an X-10 (USA) Inc. product sold by Geodesic as an enhancement for AIR Window users. Includes one IR Sensor to RF Transmitter and one RF Receiver to IR Emitter. Enables the Amiga-generated IR signals to be distributed throughout a building via radio waves using one transmitter and multiple receivers. \$40.00  
*Geodesic Publications, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566*

### Prism Pal Color Splitter

The Prism is specifically designed to work with Digi-View. It accepts a standard or SVHS PAL Composite video signal as input. The output is automatically switched between red, green, and blue. A second output is available as RGB & Composite sync for a color monitor, so that you can see what you are about to digitize. The front panel has saturation, contrast, brightness controls, and shows which color is being sent to the digitizer with three L.E.D.s. A manual switch comes as a standard feature which allows it to be used with other digitizers. Aus \$499.00.  
*W. van Heeckeren, 12 Burfitt Street, N.S.W. 2040, Australia, (011) 612-560-2910*

### The Producer Systems

Complete studio systems, from starter to complete professional. Studios customized to your application, up to and including Targa systems. All hardware, software, furniture, set up, and training available. Call for price quote. Also MIDI systems, all Amiga-based.  
*Dimension-X, Inc./CommoTech, 1636 D Ave., National City, CA 92050, (619) 477-3106*

### Video Arts Teleprompting Systems

Complete hardware and software teleprompting packages. Hardware configurations include either camera-mount or independent telepod support systems with 12-inch monitor/prompter, monitor lensview, and monitor mount assembly. Software is AutoPrompt by DigiSoft. An optional remote hand-controller device is available to adjust speed, direction, and control start and stop with 25' or 50' cable. Price: \$2495 to \$2645.  
*Active Circuits, Inc., 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616*

### Videoon

A direct NTSC video digitizer. Extensive software includes full image processing and 3-D mapping of images. \$399.95  
*Power Computing Ltd., 44A Stanley Street, Bedford MK41 7RW, England, (011) 4423-427-3000*

### ◆◆ VuPort™ Computer/VCR Interface

VuPort is a microprocessor-based device which controls the Panasonic AG-1960 S-VHS VCR from an Amiga via the RS-232 serial port. It connects to the VCR through the 5-pin edit jack. Each VuPort controls two VCRs and additional VuPorts can be daisy-chained on a single computer port. It synchronizes multiple-deck operations and controls all VCR functions, including jog shuttle, insert and assembly edit and audio insert. Other functions include cue to frame, play frame and play segment. VCR status and tape location—in hours, minutes, seconds, and frames—are reported to the computer. VuPort runs under any application software that includes the VuPort driver. It is supported by RGB's AmiLink CI videotape editing software and Gold Disk's ShowMaker video production software. It ships with control software, manuals and cables. Available for NTSC. AmigaDOS 2.0 compatible. \$749.00  
*Selectra Corp, P.O. Box 5497, Walnut Creek, CA 94596, (510) 283-1670*

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# Video Hardware

## ♦ ♦ ♦ DIGITIZERS ♦ ♦ ♦

### DCTV

DCTV is a revolutionary new video display and digitizing system. DCTV creates a full color NTSC display with all the color and resolution of television. Captures a video frame in 10 seconds from any color video camera. Displays and captures full color 24-bit high resolution images. DCTV Paint (included) is the most powerful paint package to ever grace the Amiga. Convert DCTV images to or from any IFF display format (including HAM and 24-bit). Works with all popular 3-D programs. Animate in full NTSC color. \$495.00

Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825

## ♦ ♦ ♦ DIGITIZERS ♦ ♦ ♦ ACCESSORIES

### Auto Droid

Cuts digitizing time by nearly 50% over manual operation, and it's easy to use. With Auto Droid installed, all you have to do is select digitize auto and watch Auto Droid and Digi-View™ do the rest. Auto Droid also lets you digitize using the clear filter for black-and-white images. This keeps you from having to remove your 'Droid' every time you switch from color to black and white. Focusing with the clear filter makes it much easier to obtain sharp images. \$59.95

MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818

### AutoLink

An electronic module allows fully automatic color digitizing when used with the Color Splitter, Digi-View, and any composite color video source. It plugs into the back of the Color Splitter and into the second port of the Amiga. All you have to do to get color IFF images is select 'digitize aut' in your Digi-View software. It's easier and a lot faster than manual operation. \$49.95

MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818

### Digi-Droid

Motorized filter wheel automatically advances the color filter wheel for Digi-View. Speeds up digitizing and minimizes chances for mistakes. Hands-free digitizing. \$79.95

NewTek, 215 E. 8th St., Topeka, KS 66603, (913) 354-1146

## ♦ ♦ ♦ DIGITIZERS ♦ ♦ ♦ FRAME GRABBERS

### FrameGrabber

Real-time, 4096 color, video digitizer. Grab color images from VCR or camera in 1/30 of a second. Supports screen resolutions from 320 x 200 to 640 x 400, including lo-res overscan. For all Amigas. PAL version lists for \$799.95. \$499.95

Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144

Please see display ad page B.

### FrameGrabber 2.0 Software

Powerful enhancement software for FrameGrabber. Offers image printing and processing: shrink, zoom, magnify, sharpen, blur, and more. \$49.95

Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144

Please see display ad page B.

### FrameGrabber 256

256 gray-shade video digitizer with professional image-processing software. Displays up to 256 shades of gray on any Amiga monitor. For all Amigas. \$724.95

Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144

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### LIVE!

Digitizes a moving color image in real time from any video source to the A1000. This package can decode an NTSC video signal, grabs a picture as fast as 15 frames per second in 16-level gray scale, and has an overscan ability to completely cover the Amiga video screen with your image (no blank borders). Plugs into the A1000 expansion port! \$295.00

A-Squared Distributions, Inc., 6114 LaSalle Ave., Oakland, CA 94611, (415) 339-0339

### LIVE!2000

Same features as Live! and Live!500. Dual video switching (allows fades, wipes, and other special effects), video signals from composite video or RGB input, 640 x 400 resolution, optimizer package for B&W cameras, and additional real-time video effects. LIVE!2000 fits internally into the A2000 and is Zorro 2-compatible. \$450.00

A-Squared Distributions, Inc., 6114 LaSalle Ave., Oakland, CA 94611, (415) 339-0339

### LIVE!500

Digitizes a moving color image in real time from any video source to the A500. Decodes an NTSC video signal, grabs a picture as fast as 15 frames per second in 16-level gray scale, and has an overscan ability to completely cover the Amiga video screen with your image (no blank borders). Plugs into the A500 expansion port and comes with its own power supply. \$399.00

A-Squared Distributions, Inc., 6114 LaSalle Ave., Oakland, CA 94611, (415) 339-0339

### Spectrum

Full 24-bit FrameGrabber/ Buffer with BNC connectors. Supports full overscan, stores NTSC image internally. Saves in all popular formats including IFF 24 and RGBN. Grabs a frame in 1/30th of a second, or a field in 1/60th of a second. True video quality. Captures and digitizes in full NTSC color, no color splitter required. Requires 1MB of memory. \$699.00

Pyramid Video Technologies, Div. of Preferred Technologies Inc., 14540 E. Beltwood Parkway, Dallas, TX 75244, (214) 702-9191

### Video Digitizer

Real-time frame grabber in 1/60 second, 320 x 256 display with 16 gray levels. Updates screen at 1 frame/sec. Save screen as IFF format. Edit pictures with cut, paste, copy, reverse, negative & more. \$139.95

Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110

## ♦ ♦ ♦ DIGITIZERS/SCANNERS ♦ ♦ ♦

### IMG Scan II

Turns your printer into a high-resolution image scanner. With 256 gray levels, full-color assignable. \$139.95

Seymour-Radix, P. O. Box 166055, Irving, TX 75016, (214) 255-7490

### ♦ JS-105-1M

400 DPI handscanner with 64 Grayscale and Migraph touch-up software. \$249.00

GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

### Migraph Hand Scanner and Touch-Up

Scanner features: 4-inch scan window, 100, 200, and true 300 and 400 dpi resolutions, adjustable contrast, three dither settings for halftones and one for line art. Software has all the standard features plus lots of special effects, bezier curves, and scaleable fonts. \$399.00

Migraph, Inc., 200 S 333rd #220, Federal Way, WA 98003, (206) 838-4677

## ♦ ♦ ♦ DIGITIZERS/SCANNERS ♦ ♦ ♦ ACCESSORIES

### ♦ Professional ScanLab II

Professional color scanning package that includes all the software cables and hardware interfaces for the A2000 to provide total control over Sharp's JX-300 and JX-450 and JX 600 color scanners. High-

quality, 24-bit data from the scanner can be converted into Amiga HAM images, or maintained in its 24-bit true color form. This translates into 16 million colors. Scanlab II also includes the ASDG GPIB interface card. May be used standalone or with Art Department Professional. \$800.00

ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

### ♦ Professional ScanLab II Complete

This product includes Professional ScanLab II as well as Art Department Professional. \$1000.00

ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

## ♦ ♦ ♦ DVE ♦ ♦ ♦

### Rambrandt/Amiga

A 32-bit dual framebuffer with 24-bit painting and real-time digitizing. NTSC/PAL composite and RGB input and output. On-board T.I. 34020 processor for real-time resizing, 'window in a window,' animations, zoom, and other ADO-style effects, all in 16 million colors at resolutions up to 1024 x 1024. Onboard video RAM and code RAM to 8 MB for 34020 applications. A 34082 coprocessor is optional. System requirements: A2000/2500/3000. Amiga library support for existing applications and development. \$3995.00

Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144

Please see display ad page B.

## ♦ ♦ ♦ EDITING HARDWARE ♦ ♦ ♦

### ♦ AG-7650

Designed as a source machine for a high-quality S-VHS editing or dubbing system, the AG-7650 provides outstanding playback quality because of its built-in digital TBC that virtually eliminates jitter, skew, head impact error, and color blurring. The source player features special amorphous video heads, a logical comb filter, 32 times normal speed search, four channel audio (two stereo audio channels with a dynamic range of 90 DB, as well as two linear audio channels with Dolby NR), and an IQ mechanism for precise, high-speed operation. Features include a Field Freeze function, Jog/Shuttle Dial, an optional Plug-in Time Code/Generator Reader and a RS-422A serial interface to allow connection to MII and other serial control systems. \$4500.00

Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094

### ♦ AG-7750

The AG-7750 S-VHS Hi-fi editing VCR has a built-in digital time base corrector and RS-422A serial interface. A built-in digital TBC minimizes degradation, such as jitter, skew, head impact error, and color blurring. Genlock capability enables synchronization with an external reference signal. In addition, a field-coefficient Dynamic Noise Reduction system, for separate processing of Y and C signals, helps ensure an exceptional signal to noise ratio. The unit's capstan servo control mechanism provides full-loading stop and high-speed search at 32 times normal speed with viewable picture, for time-saving and added convenience during editing. \$6500.00

Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094

### AirLink 2.3

The AirLink is connected to the second mouse port and contains an infrared receiver and transmitter. Make pop-up AIR (Amiga Infra Red) screen duplicates of your favorite IR remote controllers. Output for remote-wired IR LEDs. Includes an AIR Window library of LDs, CDs, VCRs, etc. Also includes AmigaVision, Bars & Pipes, HyperBook, and ARexx examples. Trigger IR commands from the mouse, menus, hotkeys, timer, CLI, ARexx, MIDI, serial, or the parallel port. \$50.00

Geodesic Publications, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566

## ◆ Animation+

Now you can get absolute frame accurate animation plus a full-featured videotape editing system for less than you would expect to pay for an animation controller alone. Convenience, efficiency, cost-effectiveness, and ease of use have been combined into one complete animation plus editing system. Animation+ combines the power of the Micron and a V-LAN Transmitter into one system. For in-depth info, see data sheet. \$4500.00

*Videomedia, 175 Lewis Road, San Jose, CA 95111, (800) YES-VLAN*

## ◆ BR-S811U

S-VHS PROFESSIONAL S full function editing recorder with built-in chroma enhancer for multi-generation editing, four channel XLR balanced audio and many other professional features. Ideal for use with an Amiga system. \$5000.00  
*JVC Professional Products Co., 41 Slater Drive, Elmwood Park, NJ 07407, (201) 794-3900*

## MediaPhile 2.0M Sony

### 8mm Video Deck Interface Controller

Brings videotape counter information into personal computers from two modified 8mm video decks. One remote switch output and one serial data input. Includes one counter sense cable. \$150.00  
*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile 2.0P Universal

### Tape Deck Interface Controller

Brings videotape counter information into personal computers from two modified VHS, SVHS, or Beta decks. Provides complete interactive control of video decks when used together with the 2.0A infrared controller. One remote switch output and one serial data input. Includes one counter-sense cable. \$175.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile 2.0PUG Universal Tape Deck

### Controller

Controls video and audio tape decks with infrared control from personal computers. Brings videotape counter information into personal computers from two modified VHS, SVHS, or Beta decks. One remote switch output and one serial data input. Two additional ports can be independently configured as infrared control outputs, Sony S-port control outputs or SMPTE time code inputs. Includes one counter sense cable and a Sony RMT-E1S infrared remote control. \$270.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile 2.0S Sony CTL-L Port Interface

### Controller

Brings videotape position information into personal computers from two Sony video decks, camcorders, or other devices equipped with CTL-L remote ports. Provides complete interactive control of Sony video decks and camcorders when used together with the 2.0A infrared controller. One remote switch output and one serial data input. Includes one Sony remote port adapter cable. \$220.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## MediaPhile 2.0SUG Sony CTL-L Port Controller

Controls Sony video decks and camcorders with CTL-L remote ports from personal computers. Brings videotape position information into personal computers from two Sony video decks, camcorders, or other devices equipped with CTL-L remote ports. One remote switch output and one serial data input. Two additional ports can be independently configured as infrared control outputs, Sony S-port control outputs or SMPTE time code inputs. Includes one Sony remote port adapter cable and a Sony RMT-E1S infrared remote control. \$315.00

*Interactive MicroSystems, Inc., 9 Red Roof Lane, Salem, NH 03079, (603) 898-3545*

## ◆ Micron

Micron is the revolutionary low-cost frame accurate video editing system. Micron packs state-of-the-art production tools into one console—a user-friendly dedicated keyboard with its own embed-

ded master computer. The keyboard includes JOG, SHUTTLE, and CRUISE control of source and/or record transports. Two V-LAN compatible receivers are built into the Micron, allowing you to connect to two different video transports. The receivers are functionally user-programmable and provide software downloadable drivers for all popular industrial and broadcast-quality transports (serial and/or parallel). Different types of VTRs can be mixed and even re-assigned under software control. It offers 250-event nonvolatile memory, printer port, sync rolls, split edits, GPI interface, and upgradability to A/B Roll. \$3500.00  
*Videomedia, 175 Lewis Road, San Jose, CA 95111, (800) YES-VLAN*

## ◆ PACE Professional Animation

### Control Engine

PACE is the complete V-LAN compatible, frame accurate animation controller in one stackable package for your desktop. Packed in a single 19-inch wide unit. The PACE system contains a V-LAN compatible transmitter and receiver for animation control. The V-LAN transmitter connects to the serial port and the V-LAN receiver connects to the remote connector of your videotape recorder or laser disc player. The PACE back panel has parallel and serial connectors to mate with any type of transport. If your transport does not already have a SMPTE/EBU time code reader/generator, the optional VLX-SM reader/generator is available. \$3195.00

*Videomedia, 175 Lewis Road, San Jose, CA 95111, (800) YES-VLAN*

## ◆ Panasonic/Selectra AG-1960/RSTM

The Panasonic/Selectra AG-1960/RSTM is the first affordable high quality computer controlled professional editing video cassette recorder. Combining the advanced technologies of Panasonic's best-selling S-VHS VCR, the AG-1960, and Selectra's control system, the AG-1960/RSTM is ideal for multimedia applications. The AG-1960/RSTM is controllable from any personal computer through an RS-232 serial port. Selectra's internal microprocessor controller provides interactive control over all VCR functions as well as a broad range of editing features. It is shipped complete with demonstration and control software for Commodore, IBM, and Macintosh computers. Available for NTSC. AmigaDOS 2.0 compatible. \$2195.00  
*Selectra Corp., P.O. Box 5497, Walnut Creek, CA 94596, (510) 283-1670*

## ◆ SuperMicron

SuperMicron is the feature-packed A/B Roll upgrade of the Micron, which adds the capabilities of serial switcher control and variable speed control. SuperMicron will be set up with an Amiga computer and the Toaster. The system demonstrates the new V-LAN switcher interface for the Toaster and SuperMicron's control of the Toaster. This system is a perfect animation plus editing system for Toaster users. \$7500.00

*Videomedia, 175 Lewis Road, San Jose, CA 95111, (800) YES-VLAN*

## ◆ ◆ ENCODERS ◆ ◆

### A520 Modulator

Lets you connect the A500 to a composite color monitor or standard TV. Converts video signal into RF modulated and color composite signals. Accepts audio from A500 which is added to the RF video to be heard through TV. Connects to the A500's RGB video port. Power is supplied by the A500. \$49.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## ◆ ◆ VIDEO ENHANCEMENT ◆ ◆

### DEB™ 2000

Microway's DEB 2000, Denise Extender Board for the Amiga 2000 and 2500, transfers the video signals required by the flickerFixer from the Denise socket on the Amiga motherboard to the DEB connector board. DEB 2000 allows Microway's award winning flickerFixer to be operated without utilizing the video slot. As a result, the video slot is left free for other devices such as internal genlocks and

frame buffers. Compatible with NewTek's Video Toaster, Digital Creation's SuperGen 2000, and most other video slot peripherals. \$99.00

*Microway, P. O. Box 79, Kingston, MA 02364, (508) 746-7341*

## ◆ Flicker Free Video

Flicker-free video is the result when used along with a VGA or Multisynch monitor. Synchronizes automatically in either NTSC or PAL systems. Fully genlock compatible and installs in any 500, 1000, or 2000 system. \$399.95

*ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228*

## ◆ Impact Vision 24

A multifunctional color enhancement board which will allow video professionals to create broadcast quality video pictures, images, and animations. The enhanced 24-bit color resolution offers 16 million colors, and also features a built-in digital keyer and flicker fixer. Also built into the unit is a frame buffer, and genlocks for both RGB and analog and Composite video signals. The unit is designed for use with the Amiga 3000 and is also compatible with the Amiga 2000 by using a small video adaptor board. Included with the board is 3-D rendering software, as well as a 2-D 16 million color GVP paint package. \$2199.00

*Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770*

**Please see display ad page A.**

## MasterControl

MasterControl provides all the capability of VidControl, but will accept six discrete inputs from the gameport, as opposed to the one input used by VidControl. MasterControl provides a totally asynchronous capability to interface up to six outside discretes to Amiga software. \$50.00

*Integral Systems, P.O. Box 31626, Dayton, OH 45431, (513) 237-8290*

## VidControl

A typical application for VidControl in a Video production studio would involve synchronization of DeluxePaint III animations with video source form another device, via a GPI controller. VidControl supports user-definable response to input signal, permitting the user to define the keyboard message that is passed to the application. VidControl also supports variable time delays between the input event and the passing of the message to the application, permitting, for instance, a video pre-roll delay. More generally, VidControl provides a general purpose input mechanism to permit the synchronization of any Amiga software package with an event in the outside world, based upon a switch closure, from a mouse, a joystick, or any other device. \$30.00

*Integral Systems, P.O. Box 31626, Dayton, OH 45431, (513) 237-8290*

## ◆ Video Crisper

The Video Crisper will brighten and sharpen all of your colors so that your reds will be redder, your blues bluer, your greens greener all without having that washed out look that usually comes when adjusting your brightness and contrast controls without the Video Crisper. You will notice an incredible difference in your graphics programs, your workbench screen, entertainment programs, in everything you do! The unit plugs into the Amiga RGB port so no soldering is required. An enhanced version designed for use with external genlocks is also available for \$149.00 and is also installed without cutting or soldering. \$49.00

*Memory Location, The, 336 Washington Street, Wellesley, MA 02181, (617) 237-6846*

**Please see display ad page 35.**

## flickerFixer

Microway's flickerFixer is a professional graphics enhancer that uses de-interlacing and fits in the A2000 and A2500 video slot. Removes the flicker in the interlace mode and the visible scan lines in the non-interlace mode of the A2000 and A2500 display. Fully compatible and transparent to all user software. Supports standard multiscanning and VGA monitors. Compatible with 4096-color HAM mode. Does not modify the standard Amiga video signals which can be used simultaneously for RGB output or with an encoder for composite output. \$295.00

*Microway, P. O. Box 79, Kingston, MA 02364, (508) 746-7341*

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**flickerFixer Genlock Compatibility Option**  
MicroWay's flickerFixer Genlock Compatibility Option allows simultaneous operation of the flickerFixer and most external NTSC genlocks. It is a small module that piggybacks onto the flickerFixer board. Compatible with SuperGen, AmiGen, and other popular genlocks. \$25.00  
*MicroWay, P. O. Box 79, Kingston, MA 02364, (508) 746-7341*

## ◆ ◆ ◆ FRAME BUFFERS ◆ ◆ ◆

**ACS Harlequin 32 Bit FrameBuffer**  
The ACS Harlequin 32 bit framebuffer provides broadcast quality RGB output. All models offer a number of resolutions including: three resolutions (NTSC version)—740 x 486, 832 x 486, 910 x 486; PAL Version—740 x 576, 832 x 576, 910 x 576. Genlockable signal, full Overscan, Interlace, and Non-interlace displays supported. Four models are available providing options for double buffering, Alpha channel for linear keying plus digital key output. For Amiga 2000 or 3000. UK Sterling from £1095.  
*Amiga Centre Scotland, 4 Hart Street Lane, Edinburgh, EH1 3RN Scotland, (011) 4431-557-4242*

**DCTV**  
DCTV is a revolutionary new video display and digitizing system. DCTV creates a full color NTSC display with all the color and resolution of television. Captures a video frame in 10 seconds from any color video camera. Displays and captures full color 24-bit high resolution images. DCTV Paint (included) is the most powerful paint package to ever grace the Amiga. Convert DCTV images to or from any IFF display format (including HAM and 24-bit). Works with all popular 3-D programs. Animate in full NTSC color. \$495.00  
*Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825*

**FrameBuffer/Amiga**  
Allows display of Amiga graphics files up to 24-bit RGB/746 x 484 as composite video signal. Also captures video realtime/full color. Works with 3-D Professional, Art Department Pro, Calgary, Sculpt 4-D, Turbo Silver, and more. \$695.00  
*Reliable Communications, Inc., 4868 Hwy. 4, P.O. Box 816, Angels Camp, CA 95222, (800) 222-0042*

## ◆ ◆ ◆ GENLOCK ◆ ◆ ◆

**4004/4004S Genlockable Video Graphics Encoder**  
The two plug-in cards of the Magni 4004 offer clean video signals for A2000, A2500, and A3000 graphics programs. Along with absolutely accurate RS-170A video, you get special effects features that include fades, luminance and color zero keying, all under software control with choice of keyboard or mouse. The S version adds a graphics-only output in S-VHS video format. For still greater flexibility, add the optional 4010 Remote Control for external control of effects function, \$595 if purchased separately. \$1,995, with remote control. \$995.00  
*Magni Systems, Inc., 9500 SW Gemini Drive, Beaverton, OR 97005, (800) 237-5964*

**4005/4005S Genlockable Video Graphics Encoder**  
The 4005 and 4005S provide the Amiga video professional outside the U.S. with the same flexibility and accuracy as the 4004 but in PAL (the predominant European video standard). \$2,165, with remote control. \$1,865.00  
*Magni Systems, Inc., 9500 SW Gemini Drive, Beaverton, OR 97005, (800) 237-5964*

**A2300 Genlock**  
Fits in the A2000's video slot, allows the user to combine the A2000 video display with output from a VCR, video camera, or laser disk. Combined display may be viewed on an Amiga RGB monitor. Titles, captions, and multi-layered effects may be viewed on videotape. Suitable for semi-professional (non-broadcast) environment. Available in both NTSC and PAL versions. \$169.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

**AmiGen**  
This low-cost genlock allows the Amiga to synchronize with any external video system, and overlays computer graphics. Easy to operate! \$199.95  
*Mimetics Corporation, P. O. Box 1560, Cupertino, CA 95015, (408) 741-0117*

**AmiGen Video Titling Kit**  
Complete solution for Amiga owner interested in exploring desktop video. Kit includes Amigen with enhanced video output, Credit Text Scroller with software, and two video cables. \$249.00  
*Reliable Communications, Inc., 4868 Hwy. 4, P.O. Box 816, Angels Camp, CA 95222, (800) 222-0042*

**Amiga Internal Genlock (A2300)**  
Video Synchronizer allowing user to superimpose A2000 series video over external source such as a video camera or VCR. \$169.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

**ChromaKey**  
It works with any genlock to allow you to place your live signal on top of the computer graphic. This is done by shooting the foreground video against a blue background (provided with the Chroma Key) that is later electronically eliminated when combined with the background computer signal. You can see this technique used every night on your local news broadcast. The weather forecast is in reality just a chroma background. The background video is the weather map, usually a computer graphic. \$395.00  
*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818*

**Magni 4003**  
Remote control unit controller for use with the Magni 4004 board. Performs variable speed fades along with luminance and inverse keying. Also controls key and fade levels of genlocked graphics. \$499.00  
*Magni Systems, Inc., 9500 SW Gemini Drive, Beaverton, OR 97005, (800) 237-5964*

**Neriki 1187**  
The Neriki Image Master Pro Genlock accurately genlocks the Amiga's RGB output to a reference video signal, or a studio black signal. Will lock to any composite video signal, studio reference, black burst, camera, or tape source. Supports all graphic modes and resolutions. Minimizes duplication losses. Luminance keyer replaced by fader in latest version. Separate RGB and key out. \$2195.00  
*Telmak Inc., 1101A Air Way, Glendale, CA 91201, (800) 637-4540*

**Neriki DeskTop**  
Allows text, graphics, paint, and animation programs to be integrated to video. Features: hi-res with encoded capability of 500 NTSC lines, auto key cuts into background, meets RS170A standards. Models available in PAL and NTSC. Same rack mount genlock with identical performance as the Image Master model 1187 with fewer output combinations, i.e., no key out, RGB out, or sync out. Makes up for lack of connectors with a lower base cost and Y/C input and output. \$1100.00  
*Telmak Inc., 1101A Air Way, Glendale, CA 91201, (800) 637-4540*

**OmniGen 701/702**  
This genlock system for the Amiga is available for both NTSC/PAL standards. Designed primarily for professionals and broadcast applications. Character generator, custom background generator, Genlocked Teleprompter, 23-pin D SUB in/out connectors with a cable designed for interfacing. Will lock to incoming video or black burst. Also has its own internal sync pulse generator. Adjustments include 360-degree chroma phase, full SC/H Phase control. Models 701 (NTSC) and 702 (PAL) feature composite in and out and S-VHS output. \$1950.00  
*Omicron Video, 21822 Lassen Street Unit L, Chatsworth, CA 91311, (818) 700-0742*

**OmniGen 711/712**  
Same as the above models, but the 711 (NTSC) and 712 (PAL) have full S-VHS input and output (as well as composite). \$2850.00  
*Omicron Video, 21822 Lassen Street Unit L, Chatsworth, CA 91311, (818) 700-0742*

**OmniGen 721/722**  
These models (721—NTSC and 722—PAL) have all the same features of the OmniGen line but are usable on all formats. The units can be used with any professional or non-professional system as they contain inputs and outputs for all formats: composite; S-VHS, Hi-8mm, Beta-ED, 3/4-inch, 1-inch, BetaCam, M2 and more. Product available June 1991. \$3950.00  
*Omicron Video, 21822 Lassen Street Unit L, Chatsworth, CA 91311, (818) 700-0742*

**RG300C ROCGEN**  
This is an external Genlock with auto video pass through. There is a manual dissolve function for overlay and fade-in, fade-out. The Genlock also allows the user to choose to have power from the system or from an external source. The Genlock works with A1000, 500, 2000, 2500, 3000 models. The Genlock outputs quality signal for most application environment. NTSC format available in U.S., and PAL format available in Europe.  
*ROCTEC Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030, (408) 379-1713*

**RM-2B Professional Genlock For Amigas**  
The RM-2B is a 19-inch, rack-mountable, professional genlock subsystem and NTSC encoder for the Amiga. It contains a sync generator and full-field color bar generator. A key/mix mode switch and mixing pot is optional, as is a color sub-carrier phase adjustment. The RM-2B is used by NASA for its high-resolution Shuttle cameras. For a nominal charge, older RM-2 models can be refurbished at the factory to upgrade them to the performance level of the B version. \$2995.00  
*GlennLoc Corporation, 3903 Carolyn Avenue, Fair, VA 22031, (703) 273-5663*

**Studio A**  
Genlock/Encoder/Keyer/Switcher in Desktop chassis with optional field upgrade modules. Basic system NTSC or PAL, internally powered, works with all Amigas. Modular Plug-in up-grades: S-VHS (Y-C); R-G-B/Key/Sync outputs with R-G-B splitter; Computer control, Basic switch functions (all standard): Fade to black, source and/or Amiga; Cut in or out, overlay or full screen graphics; Dissolve with Fader control; Mix, etc. Full Amiga functions with power off. RS-170A or locks to low cost VCR. \$795.00  
*Spirit Technology Corp., 220 West 2950 South, Salt Lake City, UT 84115, (800) 433-7572*

**SuperGen**  
Genlock and overlay device. Independent dissolve controls, two overlaid outputs, switchable notch filter, accurate lock to VCR output. RGB decoder for true Amiga colors. \$749.95  
*Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825*

**SuperGen 2000S**  
A true Y/C (S-VHS, HI-8, ED-BETA) compatible genlock and overlay card for the A2000 series computers. The SuperGen 2000S installs into the video slot of an A2000 or A2500. A built-in processor amplifier allows software control of horizontal position, vertical position, video color saturation, and 360 degrees of chroma phase. \$1995.00  
*Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825*

**The VT Genlock Enhancer**  
A VideoMaster accessory. VideoMaster/Video Toaster co-existence on Amiga 2000/2500. \$50.00  
*VidTech International, Inc., 2822 NW 79th Avenue, Miami, FL 33122, (305) 477-2228*

**Video Blender**  
The Video Blender features video switching, luma-keying, genlocking, local color generation in 16 million colors, video fading/wiping, and stereo audio mixing. It is an external, self-contained unit



with power supply. It provides black burst out for studio and professional video applications, and provides 'key in' for external chroma-key and special video devices. No time-based correctors required. Video Blender comes with MixMaster software, which provides a paint program and wipe script generator to create simple or advanced wipes with full control of speed, direction, and other wipe parameters. In addition, the package includes interface control software, a power supply, cables, thoroughly illustrated manual with examples, and a VHS tutorial videotape. \$1495.00  
**Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144**  
**Please see display ad page B.**

## VideoMaster

An integrated desktop video system for all Amiga computers. Video Master genlocks the incoming composite (NTSC or PAL) or S-Video to the Amiga graphics. The genlocked video production is produced in all video formats as well as RGB for the best quality graphics. A built-in RGB splitter is included for direct connection to a digitizer including a compatible interface to Digi-View Gold 4.0. A special effect generator is also built in for horizontal, vertical, circle, and inverted wipes - automatically timed or manually controlled. All controls (vertical interval switches, fade bar, wipe bar, and RGB splitter) are front panel fingertip controlled. NTSC or PAL. \$1295.00  
**VidTech International, Inc., 2822 NW 79th Avenue, Miami, FL 33122, (305) 477-2228**

## miniGEN

RS-170A, broadcast-quality genlock for all Amigas. Three-position toggle switch for controlling graphic modes. \$224.95  
**Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144**  
**Please see display ad page B.**

## ♦ ♦ ♦ SWITCHERS ♦ ♦ ♦

### VGA-Switch

VGA-switch, 1 monitor between Amiga RGB and VGA PL side. \$115.00  
**Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696**

## ♦ TIME BASE CORRECTORS ♦

### DPS Personal TBC II

Infinite window, full broadcast-quality plug-in TBC card for the Amiga Series 2000, IBM-PC and compatible computers. Software control of proc amp, timing, and color balance. \$995.00  
**Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090**

### DPS-220 TBC/Synchronizer

Infinite window, broadcast-quality TBC/ Synchronizer with full 6MHz bandwidth in all modes. Field/frame freeze and optional AUTODOC-3-D drop-out compensation. \$3495.00  
**Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090**

### DPS-270 Component TBC

Component TBC with composite and Y/C (S-VHS or Hi-8) inputs and outputs. Full proc. amp. control plus transcoding capability. \$1995.00  
**Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090**

### ♦ DPS-295 TBC/Transcoder

Component TBC with NTSC, Y/C 3.58, Y/C 688 dub inputs and NTSC, Y/C 3.58, Y/C 688 dub, Y/R-Y/B-Y (MII or Betacam) outputs. \$5495.00  
**Digital Processing Systems Inc., 55 Nugget Ave., Unit 10, Scarborough, Ontario, Canada M1S 3L1, (416) 754-8090**

## IVT-7

The IVT-7 is a 4:2:2 digital processing Time Base Corrector with an infinite correction window. It uses state-of-the-art I.C.s to provide high performance processing at low cost. Its full-frame memory enables satellite feeds and domestic type VCRs and camcorders to be input on a single input connector without sync hook up. Features include frame and field freeze, 5.5MHz bandwidth on component, built-in RS-170A sync generator with genlock input and BB output, bypass/operate switch, and switchable auto-freeze for signal loss. \$2995.00  
**I-DEN Videotronics Corporation, 9620 Chesapeake Drive, Ste. 204, San Diego, CA 92123, (800) 874-1DEN**

## ♦ InSync TBC

Time base corrector with TV frame synchronization. Features onboard microprocessor allowing full control of each board from an Amiga interface. Inputs include two composite, one SVHS, and one Black Burst. Outputs include one composite, one SVHS, and one Black Burst. NTSC/PAL compatible. Requires A2000, A3000 with 1MB of memory. \$1299.00  
**Expert Services, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690**

## Kitchen Sync

The Kitchen Sync completes your video installation. Completely synchronizes not one, but two independent video sources for use with virtually any switcher or digital video effects system requiring synchronous video inputs. Two complete time base correctors on one card that can plug into any IBM AT compatible slot. S-VHS and Hi-8 compatible. Complete 100% accurate sync generator built in: totally regenerates all sync and blanking signals; guaranteed 100% accurate S/CH phase relationships. Optional genlock—required to synchronize the Kitchen Sync to any external video source. Great for use with the Video Toaster. \$1895.00  
**Digital Creations, 2865 Sunrise Boulevard, Ste. 103, Rancho Cordova, CA 95742, (916) 344-4825**

## ♦ Spectrum 1000C

This is a low-priced stand-alone composite digital two-channel A/B Roll Frame Synchronizer + two infinite window Time Base Correctors. It also includes two independent sets of proc amp controls (hue, video gain, chroma saturation, black pedestal set-up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical wipe, and fade-to-black. For added flexibility, these effects can be bypassed. It features eight-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS) and two RS-170A broadcast quality digital internal sync generators. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. Permits displaying/translating between two VCRs or VCR/camcorder-camera, etc. \$1850.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844**

## ♦ Spectrum 1000SC

This is a low-priced stand-alone S-VHS/composite digital two-channel A/B Roll Frame Synchronizer + Transcoder with two infinite window Time Base Correctors. It also includes two independent sets of proc amp controls (hue, video gain, chroma saturation, black pedestal set up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical wipe, and fade-to-black. For added flexibility these effects can be bypassed. Features 4:2:2 sampling, eight-bit processing, digital comb filter (passes VITS, VIRS), and two RS-170A broadcast quality digital internal sync generators. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. Permits displaying/translating between two VCRs or VCR/camcorder-camera, etc. \$2695.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844**

## ♦ Spectrum 500C

This is a low-priced single-channel infinite window composite digital Time Base Corrector + Frame Synchronizer. It features eight-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$850.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844**

## ♦ Spectrum 500SC

Single-channel infinite window S-VHS/composite digital Time Base Corrector + Frame Synchronizer + Transcoder. It also includes freeze frame/field with adjustable-rate strobe. It features eight-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$1295.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844**

## ♦ Spectrum 750SC

Single-channel infinite window S-VHS/composite digital Time Base Corrector + Frame Synchronizer + Transcoder. It also includes proc amp controls (hue, video gain, chroma saturation, black pedestal set-up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. It is compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$1895.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844**

## ♦ Spectrum 850QC

This is a four-format single-channel infinite window digital Time Base Corrector + Frame Synchronizer + Transcoder that allows color full motion video from VCRs, camcorders, and laser disc players to interface with computers—for a variety of multimedia and video compression applications. The four formats included are RGB and three video standards—NTSC composite, S-VHS/Hi-8, and component Y/R-Y/B-Y. It also includes proc amp controls (hue, video gain, chroma saturation, black pedestal set-up). Mixing effects include freeze frame/field with adjustable-rate strobe, dissolve, cut, vertical wipe, and fade-to-black. For added flexibility, these effects can be bypassed. It features eight-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and an RS-170A broadcast quality digital internal sync generator. It's compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. \$2000.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844**

## ♦ Spectrum 900C

A low-priced two-channel infinite window composite digital Time Base Corrector + Frame Synchronizer. It features eight-bit processing, 4:2:2 sampling, digital comb filter (passes VITS, VIRS), and two RS-170A broadcast quality digital internal sync generators. Compatible with consumer as well as industrial-grade VCRs, cameras, camcorders, video mixers, controllers, etc. Particularly popular with the Toaster since it permits interface and transitioning between two VCRs or camera/VCR, etc. \$1450.00  
**Showline Video, div. of Visync Technologies Corp, 120 Beacon Street, Boston, MA 02116, (617) 262-6844**

## ♦ TBCard

Designed as a plug-in card for the Amiga, the TBC may be used as an input source for such devices as Newtek's Video Toaster. The unit will be full frame, and will use component processing, producing a

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# Video Hardware

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wide bandwidth of 5.5 MHz. This bandwidth will enable time base correction of high resolution VCR signals, such as Super VHS, Hi-8 and U-matic with maximum signal fidelity. The TBCard will be fitted with genlock. Suitable for mid to low end applications, the TBCard accepts Y/C and composite signals. K factor will be <2%, S/N 56dB and DG/DP-2%, 2deg. Proc amp control and system timing are available through external desktop control box adjustments on the front of the board. Priced under \$1000.

I-DEN Videotronics Corporation, 9620 Chesapeake Drive, Ste. 204, San Diego, CA 92123, (800) 874-IDEN

### ◆ TBCard PLUS

Designed as plug-in cards for the Amiga, the TBC may be used as an input source for such devices as Newtek's Video Toaster. The unit will be full frame, and will use component processing, producing a wide bandwidth of 5.5 MHz. This wide bandwidth will enable time base correction of high resolution VCR signals, such as Super VHS, Hi-8 and U-matic with maximum signal fidelity. The TBCard PLUS will be fitted with genlock. The TBCard PLUS has a wider range of inputs and outputs than the TBCard, with 4:2:2 processing making the unit more suitable for mid to high end applications. Inputs include composite, Y/C, component (R-y, B-y, Y), RGB/Sync and DOC. Outputs include Y/C, composite, and component. Proc amp control and system timing will be accessible from an exterior box. All proc amp controls will have presets. An optional main frame with power supply will be available. Price TBA

I-DEN Videotronics Corporation, 9620 Chesapeake Drive, Ste. 204, San Diego, CA 92123, (800) 874-IDEN

## ◆ VIDEO PRESENTATION SYSTEMS

### AdVISION™

Advanced Amiga based advertising channel or electronic billboard system. Includes full production station and complete remote player system, production software, training, and installation. Additional remote player systems may be added to create a network of systems playing similar or unique programs. Ideal for cable advertising channel, hotels, ports of call, malls, etc. Under \$20,000.00. Active Circuits, Inc., 1985 Highway 34 Ste. A-4, Wall, NJ 07719, (201) 974-1616

### ◆ CAPS XL

CAPS XL offers a multi-user environment in which several people, working on IBM-compatible machines, Apple Macintosh and Commodore Amigas can cooperate in setting up colorful, professional presentations, which may be run 24 hours a day on public cable TV systems or inhouse video networks. Presentations or newsflashes can be sent to a remote Amiga without interrupting the running show. It features script and presentation Repository, Page lay-out system, Object-oriented script editor, Multi-user communications via modem or wire, Electronic mail, Animations, Remote access with all popular systems, optional VCR control module. CAPS XL is unique in the way it handles editing shown at remote locations (also on character oriented workstations). Pictures can be downloaded from and uploaded to the Amiga feeding the network, to enable editing of existing screen images and adding new ones. CAPS XL is \$1399.00; additional workstation software is \$559.00; additional sendstation software is \$849.00. Distributed by Computer Video Solutions, 148 S 7th St., Akron, Pennsylvania, 17501, (717) 859-2049. Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914

### IllumiLink 2.3

The IllumiLink connects to the second mouse port. It contains an infrared receiver, transmitter, and a phone-tone decoder for a wireless telephone. The phone becomes a remote Amiga mouse/command center for live multimedia presentations. Phone keys may be programmed to activate xy mouse clicks, menu selections, keyboard keys, AREXX scripts, serial port, MIDI, parallel port, or infrared signals. A wireless phone may be used to control any multitasking program such as the V.Toaster, X-10, AmigaVision, etc. The IllumiLink has all the features of the AirLink too. \$100.00  
Geodesic Publications, P. O. Box 956068, Duluth, GA 30136, (404) 822-0566

### Video Share

Allows a teacher to display their screen on the monitors of all connected Amigas at the touch of a switch. Transparent to software and hardware will not interfere with normal operation of Amigas. Supports all video modes. Price TBA.  
Cospec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553

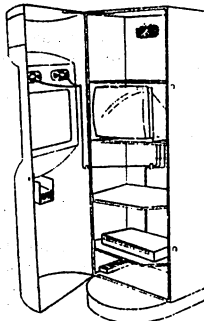
### Video Toaster System

The Video Toaster System brings the awesome power to create network quality television to your desktop. Eight separate pieces of expensive video gear have been combined into one complete desktop production system. This all-in-one broadcast studio includes a four input production switcher which has two frame buffers and a color background generator; the power to manipulate live broadcast video in real-time, with digital effects such as flip, warp, whips, zoom trails, mirrors, trajectories, and many more; lightwave 3-D animation, which offers high-end capabilities previously found only in dedicated graphics workstations. Everything from flying logos and sports graphics to the most sophisticated effects seen on MTV. Other features include Toaster Character Generator which has 16.8 million colors, 30 standard anti-aliased fonts, 24-bit smooth color gradations, variable speed scroll and crawl, and much more; ToasterPaint allows you to create original artwork and network quality videographics; dual frame buffers allow Toaster effects to be done between live video and either buffer, as well as between the buffers themselves; ChromaFX is a powerful color processing engine capable of producing color negatives, monochrome, solarization, posterization, color vignettes, custom lighting, tinting, and photographic filter effects; Frame Grabber / FrameStore can grab and save a full resolution television frame and has sophisticated motion removal algorithms to provide a rock-solid freeze frame. The Toaster System is unique in that new effects and capabilities can be added with inexpensive software updates on disk. \$3995.00  
NewTek, 215 E. 8th St., Topeka, KS 66603, (913) 354-1146

## Multimedia Solutions

Complete systems design and application development of interactive multimedia solutions for education, government and commercial business.

- Custom & Standard Kiosks
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- Laser Disc Pressing
- Pioneer LD Player \$699
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- TouchScreen Mon \$1195
- EdMark Touch Win. \$325
- Networking Software \$250



### Lowest Cost Interactive Full Motion Color Video Kiosk Available

**\$5995**

Seven foot high stand-alone kiosk with 19" touch screen RGB/composite monitor, commercial laser disc player, 68030 CPU computer with math co-processor, 6Meg RAM and 50Meg SCSI hard disk, and audio amp.



**Future Touch Multimedia**  
Division of Amigo Business Computers  
192 Laurel Road, E. Northport, NY 11571  
(516) 757-7334 FAX (516) 757-7234

**AC  
KNOWS  
AMIGA  
VIDEO**

Circle 102 on Reader Service card.

# Accelerators

## ◆ ◆ ◆ ACCELERATORS ◆ ◆ ◆ GENERAL

### A2630/4

A Motorola 68030-based accelerator board for the A2000 series computers which features a 25MHz MC68030 microprocessor, a 25MHz MC68882 math coprocessor, and a 68851 memory management unit. Comes standard with 4MB of 32-bit memory, and provides the professional Amiga user with a dramatic performance increase for math-intensive applications such as 3-D solid modelling or visualizations. \$1799.00

Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### AdSpeed

AdSpeed is a low cost, full featured 14.3MHz accelerator for all 68000-based Amiga computers. AdSpeed differs from other accelerators by using an intelligent 16K static RAM cache to allow zero wait state execution of many operations at twice the regular speed. Simple no-solder installation. Software selectable speeds. 32K of high speed static RAM. \$299.95

ICD Incorporated, 1220 Rock Street, Rockford, IL 61101, (815) 968-2228

### Animate Turbo Board I

This standard accelerator board is a replacement for the MC68000 processor. On board you have the 68020 and the 68881 or 68882 processors giving you turbo power. With 68020 and 16MHz 68881. \$459.00

Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

### Animate Turbo Board II

Nearly the same as the ATB I, with one major difference. Now you can switch between the 68020 and the 68000 processor. That gives a total of three processors on one board. Useful for those who are using some of the few programs that refuse to run with the 68020, or want to play games at normal speed. With 68020 and 16MHz 68881.

Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

### Animate Turbo Board III

Designed for the A2000. Fits into the A2000 MMU slot and is the first board for the Amiga that comes with the option for up to 4MB of 32-bit static RAM on-board. With 68020 and 16MHz 68881.

Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

### Boogie Board

An internal 68030 accelerator for the A2000. Includes a 33MHz 68030 processor and 68882 floating-point co-processor. Features an advanced single-card CPU and memory design that supports up to 16MB using state-of-the-art SIMM modules. Asynchronous clock speed for both the 68030 and 68882. Fully supports 68030 data cache and burst mode and supports DMA into the on-board 32-bit memory.

California Access, 130 Knowles Drive, Los Gatos, CA 95030-1832, (408) 378-0340

### Fusion-Forty

The Fusion-Forty is a 25MHz 68040-based accelerator for the Amiga 2000. The unit performs over 31,000 Dhrystone. The unit is expandable on board to a maximum of 32MB of 32-bit RAM. Users of the Fusion-Forty should expect to see major performance increases in integer and floating point processing over current 68030-based Amigas. It comes

with a hardware switch to enable you to return to your own system. It is 3-D graphics and VideoToaster compatible. It will work with any SCSI drive. \$2995.00

RCS Management Inc., 120 McGill Street, Montreal, Quebec, Canada H2Y 2E5, (514) 871-4924

### ◆ G-Force 040 Board

The G-Force 040 Board is a high performance 68040 CPU accelerator for the Amiga A3000 and the A3000T. Features include 68040 CPU running at 28 MHz; MMU, FPU and separate 4Kbyte data and instruction caches providing 22 MIPS workstation performance. 3.75 MFLOPS double precision floating-point performance. Up to 8MB of very high speed 40ns, 32-bit wide, non-multiplexed, DRAM

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

Please see display ad page A.

### Impact A2000-030/882/28

An internal processor/accelerator board for the A2000 includes: 28MHz 68030 microprocessor with built-in MMU and a 28MHz 68882 floating-point math coprocessor. \$1099.00

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

Please see display ad page A.

### M/MR 2100 MEGA-MIDGET RACER™

Revolutionary MC68030 accelerator that fits the Amiga A500, A1000, and A2000. Optional 512K, 1MB or 2MB Static RAM, and 1MB to 8MB Dynamic RAM. Software selectable to your original MC68000. Surface-mount design saves space and enhances reliability. CPU can be clocked from 20 to 33MHz on the same board. Replaces the original MC68000 CPU which is then resocketed on the board and switched through software or hardware. Prices start at \$599.

CSA/Computer System Assoc., 7564 Trade St., San Diego, CA 92121, (619) 566-3911

### Midget Racer/PGY 1240MR

CSA's Midget Racer 68020 accelerator is the least expensive way to increase the rendering times on any 3-D software. Utilizing a Motorola 68020 and allowing for an optional 68881/882 math co-processor, this inexpensive solution offers a three to five times speed increase on those programs utilizing floating point arithmetic. Fits A500, A1000, and A2000. \$350.00

CSA/Computer System Assoc., 7564 Trade St., San Diego, CA 92121, (619) 566-3911

### ◆ Progressive 040/2000

28MHz 68040 accelerator for all A2000's. Asynchronous design is over 23 times the speed of a standard 2000; about four times the speed of a 25MHz 3000. Compatible with AmigaDOS 1.3, 2.0, the Video Toaster, Imagine, and many other software/hardware products. Expandable to 32MB of 32-bit RAM. 68000 mode available from software (no jumpers needed). 0MB, \$2260; 4MB \$2430.

Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144

Please see display ad page B.

### ◆ Progressive 040/3000

25MHz 68040 accelerator for 16MHz and 25MHz A3000 computers. Uses 32-bit RAM on A3000 motherboard. Over four times the speed of a standard 25MHz A3000. Software switchable from 040 to 030 mode (25MHz system only). Requires AmigaDOS 2.0 in ROM. Compatible with Video Toaster, Imagine, and many other software products. For A3000 or A3000T.

Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144

Please see display ad page B.

### Sapphire 68020/68881 Accelerator

12MHz 68020 and 68881 accelerator card. Fits all Amiga models (A1000, A500, A2000) and requires no software to run. Increases performance 2.4 times integer, 3.2 Floating Point. One Year Warranty \$399.95

TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071

### Series II A2000-Combo 22/1

An accelerator board for the Amiga 2000, this system includes a SCSI controller, 22MHz 68030 board, 22MHz floating-point math co-processor, 1MB of 32-bit wide RAM—all on one board. The system is user-expandable to 13MB of 32-bit wide RAM. With the addition of a bracket, a hard drive can be mounted directly onto the board, effectively turning it into a Hard Card as well. Available drives include 42MB Fujitsu, 52MB Quantum (LPS), 105MB Quantum, and 200MB Maxtor. \$999.00

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

Please see display ad page A.

### Series II A2000-Combo 33/4

An accelerator board for the Amiga 2000, this system includes a SCSI controller, 33MHz 68030 board, 33MHz floating-point math co-processor, 4MB of 32-bit wide RAM—all on one board. The system is user-expandable to 16MB of 32-bit wide RAM. With the addition of a bracket, a hard-drive can be mounted directly onto the board, effectively turning it into a Hard Card as well. Available drives include 42MB Fujitsu, 52MB Quantum (LPS), 105MB Quantum, and 200MB Maxtor. \$1949.00

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

Please see display ad page A.

### Series II A3050

An accelerator board for the Amiga 2000, this system includes an AT controller, 50MHz 68030 board and 50MHz floating-point math co-processor chip. It comes installed with 4MB of 32-bit wide fast RAM on a daughter board and is user-expandable to 32MB of 32-bit wide RAM. Available drives include 40MB Quantum, 80MB Quantum, 200MB Maxtor, and 340MB Maxtor. \$2569.00

Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770

Please see display ad page A.

### SupraTurbo 040

A 68040 accelerator for the Amiga 3000. It installs easily in the coprocessor connector on the A3000, and provides vast performance increases. The SupraTurbo 040 accelerates operations such as ray tracing, rendering, or spreadsheet recalculation by as much as 10 times that of a standard 25 MHz Amiga 3000. It contains separate 4K caches for instructions and data and each cache has 64 independent cache areas. One-year warranty. \$1295.00

Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

### ◆◆ Zeus 2000

Power-packed A2000 system expansion offering 68040 accelerator, 32MB 32-bit RAM expansion, and high speed SCSI II hard drive controller for data transfer rates up to 5MB/sec. Compatible with AmigaDOS 1.3, 2.0, and SCSI-I type drives. For A2000, 2000HD, or 2500. Price TBA.

Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144

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## ♦ ♦ ♦ GENERAL ♦ ♦ ♦ HARDWARE

**Amiga External RF Modulator (A520)**  
Composite/RF (television) adapter. \$49.00  
*Commodore Business Machines, 1200 Wilson Drive,  
West Chester, PA 19380, (215) 431-9100*

**Cluster**  
Modular-oriented compiler. Available June '91.  
\$295.00  
*Pulsar, 410 Maple Ave, Westbury, NY 11580, (516)  
574-0225*

**DataFlyer 500 Power Supply**  
The DataFlyer 500 power supply is a 30-watt  
switcher supply which will accept all domestic and  
international input currents. It mounts internally  
and comes complete with all cables, hardware, and  
easy-to-follow instructions. \$89.95  
*Expansion Systems, 44862 Osgood Road, Fremont,  
CA 94539, (510) 656-2890*

**DataFlyer Rail Kit**  
Used on the DataFlyer 2000 to extend the drive  
behind the interface. Comes complete with all hard-  
ware. The drive can also be mounted on the rear of  
the interface without the Rail Kit or any extra hard-  
ware. \$26.95  
*Expansion Systems, 44862 Osgood Road, Fremont,  
CA 94539, (510) 656-2890*

### Power Supply

Fully compatible replacement power supplies for  
your A500, C128, or Commodore 64. All power  
supplies are fully guaranteed against all defects  
and compatibility. Prices: A500 \$79.95; C128 \$99.95;  
C64 \$37.95.  
*Expansion Systems, 44862 Osgood Road, Fremont,  
CA 94539, (510) 656-2890*

### SecureKey

Internal device for the Amiga A2000 and A3000  
that allows you to enter in one code for system  
access. Once installed, your system cannot be ac-  
cessed without this code. You can't boot off the  
floppy or break out of the start-up sequence. This  
protects your system and harddrives for unautho-  
rized use.  
*DKB Software, 50240 West Pontiac Trail, Wixom, MI  
48393, (313) 960-8750*

Please see display ad page 26.

## ♦ ♦ BACK UP HARDWARE ♦ ♦

### 150MB Tape Drive

Uses an industry standard 24-track QIC format  
(CDC 600). This ensures the ability to backup con-  
tiguous data up to 150MB. The 3070 Tape Drive is a  
low profile design which is matched in color and  
design to the Amiga 3000UX. \$1099.00  
*Commodore Business Machines, 1200 Wilson Drive,  
West Chester, PA 19380, (215) 431-9100*

### FileRunner™ Streamer for use with any Amiga

External Streamer sub-system for use with any  
Amiga 60MB and 150MB available. Tested with the  
Amiga 3000.  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de  
Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514)  
944-9696*

### Mr. Backup Professional Kit

Full-featured hard drive backup kit. Includes  
Wangter SCSI 150MB tape drive, cartridge cable,  
software offers full backup modes to tape, four  
floppy drives or any other AmigaDOS release 2  
device. Has full AREXX capability and selectable 12-  
16-bit compression. \$699.95 internal, \$949.95 exter-  
nal.  
*TTR Development, Inc., 6701 Seybold Rd., Ste. 220,  
Madison, WI 53719, (608) 277-8071*

### Synchro Express

Synchro Express is a powerful disk copier, giving  
you the facility to back up disks using the MFM/  
TTL techniques used by commercial duplicators. In  
most cases, copies in under 50 seconds. \$69.99  
*Coast To Coast Technologies, 1855 W. S.R. 434 #  
208, Longwood, FL 32750, (407) 767-0779*

## ♦ ♦ ♦ BRIDGEBOARD ♦ ♦ ♦

### A-Max II

Now handles most major Amiga hard drive con-  
trollers to give full hard drive support during Macin-  
tosh emulation with both Amiga and Mac hard  
drives. A-Max II also supports other standard SCSI  
devices, such as the LaserWriter IISC and scanners,  
through compatible Amiga hard drive controllers.  
Other new features include improved handling of  
Amiga accelerator boards with MMUs to give in-  
creases of up to five times normal speed, and the  
ability to play Macintosh digitized sounds during  
emulation. \$199.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2,  
Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-  
4175*

### A-Max II Plus

A-MAX II Plus is an Amiga 2000/3000 internal card  
that provides Macintosh compatibility plus  
Appletalk network compatibility, two Macintosh  
serial ports, MIDI compatibility and the ability to  
read, write, and format Macintosh disks on stan-  
dard Amiga disk drives. You supply 128K ROMS.  
\$499.95

*ReadySoft, Inc., 30 Wertheim Court, Unit 2,  
Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-  
4175*

### A2088D Bridgeboard

Provides 8088 coprocessor system with IBM™ PC/  
XT compatibility to bridge the Amiga and MS-DOS  
worlds. Plug into one of the combined Amiga and  
PC system bus slots to run IBM PC-compatible  
software while running Amiga tasks. Comes with  
external 5.25-inch drive. Up to three external floppy  
drives; three IBM-compatible full-size slots avail-  
able for hard disk controller, communication  
adapter, and graphics adapter. Software: MS-DOS®,  
GW BASIC® 3.2. Fast dual port memory, full speed  
CPU access during system DMA. \$499.00

*Commodore Business Machines, 1200 Wilson Drive,  
West Chester, PA 19380, (215) 431-9100*

### A2286

Bridge the Amiga and MS-DOS worlds. AT Emu-  
lator kit comes with internal 1.2MB 5.25 inch disk  
drive. \$799.00

*Commodore Business Machines, 1200 Wilson Drive,  
West Chester, PA 19380, (215) 431-9100*

### ♦ ♦ ♦ Ambassador ♦ ♦ ♦

Improves file transfer capability for both the bridge-  
board and the Amiga in a transparent fashion. It is  
based on the product CrossDOS (MS-DOS file sys-  
tem), and is 100% software. No additional hard-  
ware to buy or install. The Ambassador provides  
enhanced bridgeboard features: Directly access the  
Amiga-connected floppy drives as MS-DOS drives  
from within most MS-DOS programs. Receive up  
to 100 times speed increase when using our version  
of the PC virtual hard drive partitions. It provides  
enhanced Amiga features: Access MS-DOS formated  
media on Amiga drives. Access bridgeboard-  
created virtual hard drive partitions (such as  
MakeAB and JLink files). CrossDOSS owner up-  
grades are available. Available December 1991.  
Requires A2088 or A2286 bridgeboard or sidecar.  
AmigaDOS 1.3 or 2.0. NTSC/PAL, international  
and Danish/Norwegian translation tables (for text)  
supported. \$79.95  
*Consultron, 11280 Parkview, Plymouth, MI 48170,  
(313) 459-7271*

Please see display ad page 130.

### Bridge Drive Commander+

Gives all Bridgeboard owners direct access to all  
built-in and add-on Amiga floppy drives from the  
bridgeboard (as 720K drives), and direct access to  
360K and 720K IBM-compatible drives from  
AmigaDOS. Bridgeboards can boot from 3.5 inch  
Amiga drives. Requires no software or memory,  
and attaches to the internal floppy drive connector  
rather than taking up a slot. Disk access is fully  
transparent and automatic. Floppies are completely  
usable by other Amiga and IBM-compatible com-  
puters. Allows low-cost IBM drives to be used as  
Amiga external drives. DFI can be made external.  
Compatible with all software, hard disks, accelerator  
boards, etc. \$97.50

*MJ Systems, 1222 Brookwood Road Dept. 10A,  
Madison, WI 53711-3118, (800) 448-4564*

# Miscellaneous Hardware

## Bridgeboard Speaker Kit

A low-cost, simple solution that enables the PC Emulator to speak. The Bridgeboard Speaker Kit comes complete with pre-assembled hardware, easy-to-follow, do-it-yourself installation instructions, and a full one-year warranty. \$24.95  
Computers, Etc!, 4521-A Bee Ridge Road, Sarasota, FL 33583, (813) 377-1121

## CSA's 40/4 Magnum

CSA unleashes the ultimate One-board solution for your Amiga 2000. Motorola 68040 co-processor slot board offers more than just incredible performance; a high-speed SCSI interface, 32MB of 32-Bit RAM, parallel and serial ports as well as connectivity with other Amigas. Contact CSA for more details.  
CSA/Computer System Assoc., 7564 Trade St., San Diego, CA 92121, (619) 566-3911

## Display Enhancer Board (A2320)

De-Interlacing and Scan-Doubling Video Display Board providing non-interlaced video for display on multiscanning monitor. \$299.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

## Janus 2.0

Software upgrade for the Amiga XT and AT bridgeboards. \$34.95  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

## vortex ATonce-Amiga v1.27

ATonce gives your Amiga 500 and Amiga 2000 a complete 80286 AT emulation, that includes an AT compatible BIOS, emulation of the parallel and serial ports, sound, EGA/VGA monochrome graphics, other graphics in color, hard disk support and integration of RAM expansions. When RAM expansions are fitted, the additional memory can either be used as DOS Base Memory and/or as Extended/Expanded Memory. Yet while running as a task within AmigaDOS, ATonce does not affect the normal operation of your Amiga and is totally transparent when not in use. Each ATonce is supplied with a high quality low power Motorola 68000 CPU, saving you time with the installation, providing a high degree of reliability, and leaving the original as a spare. ATonce is compact and easy to fit. It plugs directly into the 68000 CPU socket of the A500 or via the plug-in-adaptor in one of the Amiga slots of the A2000. No soldering is required. \$398.00

vortex Computersysteme, Dist. by Micro-Pace Distributors, Commercial Park West, Suite C, Champaign, IL 61821, (217) 356-1885

## vortex plug-in adapter for A2000

vortex ATonce-Amiga, an 80286 AT-emulator can now develop its full performance in the A2000. The plug-in-adaptor for the A2000 guarantees—in combination with vortex' ATonce-Amiga—the connection to the business world of DOS. It supports hard disks, floppies, and internal and external RAM expansions. ATonce-Amiga is plugged onto the adapter card, and the adapter plugs into one of the Amiga slots. \$99.95

vortex Computersysteme, Dist. by Micro-Pace Distributors, Commercial Park West, Suite C, Champaign, IL 61821, (217) 356-1885

## CABLES

### 25-50 SCSI Cable

A 25-pin to 50-pin shielded round cable. Highest quality. Either length, three or six feet, same price. \$15.95

M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### 6004-23

Switch Box, 2 position, D-23 connectors. Specify gender when ordering. \$30.00  
Benetech Electronic Supply, 1655 'B' Hickory Dr., Haltom City, TX 76117, (817) 831-8700

### CA-23-MF/3

Three-foot extension cable D-23 male/female. \$16.00  
Benetech Electronic Supply, 1655 'B' Hickory Dr., Haltom City, TX 76117, (817) 831-8700

### CA-23-MF/6

Six-foot extension cable D-23 male/female. \$18.50  
Benetech Electronic Supply, 1655 'B' Hickory Dr., Haltom City, TX 76117, (817) 831-8700

### CA-4920 SCSI 2 Drive

SCSI, 50-pin flat ribbon, daisy chain. \$9.00  
Benetech Electronic Supply, 1655 'B' Hickory Dr., Haltom City, TX 76117, (817) 831-8700

### D-23P

23-pin connector, solder type. Male. \$1.40  
Benetech Electronic Supply, 1655 'B' Hickory Dr., Haltom City, TX 76117, (817) 831-8700

### D-23S

23-pin connector, solder type. Female. \$1.60  
Benetech Electronic Supply, 1655 'B' Hickory Dr., Haltom City, TX 76117, (817) 831-8700

### DataFlyer SCSI Pass Through

Cable and DB25 connector to extend the SCSI pass through to the back of the DataFlyer 500 or the A2000 case. Plugs onto the DataFlyer interface. \$23.95  
Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890

### S-View

Improves image by eliminating cross-color interference inherent in the NTSC composite video system. Reduces shadows, dot crawl and color smear. S-View is compatible with all Amiga S-Video encoders including CMI's V series, C-LTD's C-View II, and Communications Specialties' GenOne. Provides an eight-foot cable. \$79.95  
Software Sensations, P.O. Box 2414, Beverly Hills, CA 90213, (213) 277-8272

### Standard SCSI Cable- CA-4910

SCSI, 50-pin, flat ribbon cable. \$7.50  
Benetech Electronic Supply, 1655 'B' Hickory Dr., Haltom City, TX 76117, (817) 831-8700

## CHIPS

### ◆ 1 Meg x 8 SIMM

SIMM modules for most memory boards that use SIMMs. Price is for 100ns. \$30.00  
Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330

### 68020-33

The 33 MHz 68020 for accelerator boards. Slower speeds are available at lower prices. \$55.00  
Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330

### 68030RC-25

The 25 MHz 68030 for accelerator boards. Other microprocessors and support chips also are available. These are full 68030 Microprocessors with MMU. \$65.00  
Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330

### ◆ 68881-33

A 33 MHz Floating Point Coprocessor for accelerator boards. Slower speeds are available at lower prices. \$50.00  
Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330

### ◆ 68882-33

An upgraded 33 MHz Floating Point Coprocessor for accelerator boards. Slower speeds available at lower prices. \$80.00  
Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330

### DRAMs and Video RAMs

Refurbished 1MB x 1, 256K x 4, 256K x 1, 64K x 4, and 64K x 1 DRAMs and Video RAMs are available in DIP, ZIP, and surface mount packages at a fraction of new prices. All parts are guaranteed. Price and availability may change daily so call with your memory expansion requirements.  
Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330

### Static RAMs

Refurbished Static RAMs and Pseudostatic RAMs are available in DIP and surface mount packages at a fraction of new prices. All parts are guaranteed. The 128K x 8 (1MB) Static RAMs in DIP packages or DIMM modules can be obtained for \$4.00. \$10.00  
Krueger Company, The, 1544 West Mineral Road, Tempe, AZ 85283, (602) 820-5330

## CLOCKS

### MouseTime for A1000

Battery-backed mouse port clock passes the port through for joysticks and other devices. Uses low-cost AAA batteries. Batteries last 18 to 24 months. \$39.95

MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081, (214) 437-5330

## COMPUTER SYSTEMS

### A2000 Amiga

Features Motorola 68000; 16/32-bit; 1 MB RAM standard (internally expandable up to 8 MB); 256 KB ROM (includes Kickstart 1.3). One-slot Amiga CPU bus; five-slot Amiga system bus with autoconfig feature; three-slot PC bus; one video slot. Keyboard with 10 function keys; two-button mouse. Built-in 3.5 inch disk drive (880 KB formatted); mounting locations for optional 3.5 inch drive; 5.25 inch disk drive. Video: 400 lines vertical frequency 60 Hz B&W NTSC output; analog RGB out; four independent sound channels; built-in English text-to speech device, much more. \$1599.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### A2000HD Amiga

Same as the A2000 but with a built-in 50MB hard drive. \$1999.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### A3000 Amiga 16/50, 25/50, 25/100

High-speed Motorola 68030 microprocessor running at either 16 or 25 MHz, 32-bit data bus, 68881 or 68882 math coprocessor, built-in disk drive, 94-key keyboard, mouse, and system software (backup disks included). Standard 2MBRAM (1MB RAM, 1MB fast RAM) expandable to 18MB on the motherboard (over 1 Gigabyte address space). 50MB, 19 millisecond hard disk with hard disk back-up, and maintenance software (100 MB hard drive model available). AmigaDOS 2.0 Multitasking Operating System. 4096 available colors with built-in display enhancer for NTSC compatibility interlaced or flicker-free de-interlaced video; user-definable resolutions including 320 x 200, 640 x 480, 768 x 480, and 1280 x 400. Four-voice two channel stereo sound output with built-in speech synthesis. Expansion slots: four Zorro III expansion slots, two PC AT™ expansion slots, one video expansion slot, one CPU/CACHE memory expansion slot. Built-in clock-calendar function with battery back up. A3000-16/50 \$2999.00; A3000-25/50 \$3499.00; A3000-25/100 \$4699.00.

Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### Amiga 2000HD/P

A 1MB RAM CPU with 3.5-inch floppy drive, 50MB hard drive, keyboard, mouse, serial and parallel ports, and pre-installed software including Advantage, Transwrite, Pagesetter II, Goldfile, Paint 2000, Music 2000, and CROSSEDOS. AmigaVision and instructional video included. \$1999.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### Amiga 2500/50

Runs at 25MHz with 4MB of 32-bit RAM and features a 25MHz 68882 math coprocessor, a 68851 memory management unit, 1MB of 16-bit chip RAM; a built-in 880K 3.5-inch floppy disk drive; a pre-configured, high performance 50MB hard disk drive and autobooting SCSI hard disk controller; custom sound, animation and graphics chips; RS232 serial and parallel connectors; and two RCA-type audio output jacks. Special features that give users an unparalleled flexibility advantage are two optional Bridgeboards allowing the A2500/30 to run both

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MS-DOS® hardware and software. Amiga A2000 family owners can upgrade their existing machines by purchasing a 2630 card from an authorized dealer. Includes AmigaVision. Amiga 2500/100 is available for \$4449.00, and has 100MB hard disk drive. \$3799.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Amiga 3000UXB

One-3.5 FD, 5MB RAM, 100MB hard drive, mouse, keyboard, two mouse ports, serial and parallel ports, SCSI Interface, 15.75 and 31.5 KHz video ports (built-in de-interlacer), 68882 math co-processor, AmigaDOS, UNIX system V release 4, X Window System, and Open Look graphical user interface. \$5499.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Amiga 3000UXD

One-3.5 FD, 9MB RAM, 200MB hard drive, mouse, keyboard, two mouse ports, serial and parallel ports, SCSI interface, 15.75 and 31.5 KHz video ports (built-in de-interlacer), 68882 math co-processor, AmigaDOS, UNIX System V release 4, X Window System, and Open Look graphical user interface. \$6999.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Amiga 500 Deluxe

A 512K RAM CPU with 3.5-inch floppy drive, keyboard, mouse, serial and parallel ports, A501 memory upgrade, TV adapter, and software: KindWords, MaxiPlan, Infofile, FusionPaint, Deluxe Music Construction Set, Ports of Call, and Zany Golf. \$699.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Amiga 500 Discovery

A 512K RAM CPU with 3.5-inch floppy drive, keyboard, mouse, serial and parallel ports, TV adapter, and software: KindWords, DeluxePaint II, Ports of Call, and Where in the World is Carmen Sandiego? \$599.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Amiga 500 Professional

1MB RAM CPU with 3.5-inch floppy drive, keyboard, mouse, serial and parallel ports, Appetizer Software, AmigaBASiC, AmigaDOS, and AmigaVision. \$799.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Amiga 500 Starter

A 512K RAM CPU with 3.5-inch floppy drive, keyboard, mouse, joystick, serial and parallel ports, and the following software packages: KindWords, FusionPaint, Indiana Jones and the Last Crusade, F40 Pursuit, and F/A-18 Interceptor. \$599.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Amiga 500C

512K RAM CPU with 3.5-inch floppy drive, keyboard, mouse, serial and parallel ports, and TV adapter. Software includes Tetris, Textcraft Plus, and Where in the World is Carmen Sandiego? \$599.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## CDTV

Commodore Dynamic Total Vision combines audio, video, graphics, and text. Its small black appearance is designed to enhance any home entertainment environment. While it is able to play standard audio compact discs at 8X oversampling rate, CDTV is also equipped to run Amiga programs from CD's. Each CD has a computer data capacity of 550MB (or the equivalent of over 700 Amiga floppy disks). Although upgradeable, CDTV is designed as a tool for information and entertainment, not as a computer. The player is controlled by a specially designed Amiga motherboard with five additional custom chips. It contains 1MB of RAM, 512K ROM, slots for an optional video card and a DMA card, as well as an external port for RS-232 devices, an external drive, two audio ports, MIDI In/Out, stereo headphone jack, and a personal IR card. An optional keyboard can be used as an IR device or hardwired into the unit. Additional

optional peripherals include an external floppy drive, trackball, joystick, MIDI In/Out (through a third party), Genlock, an expansion module, a keyboard IR interface, modem, and printer. \$999.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Computer Imaging Systems

Advanced Image supplies complete computer imaging system for sales presentations in the construction industry, real estate sales, land scaping, etc. The system includes image scanning, 24-bit color processing, hard copy, and video output. \$4,800 to \$22,000.

*Advanced Image, 2 Townsend Road Rt. 13 S, Brookline, NH 03033, (603) 673-0212*

## ♦ ♦ ♦ EDUCATION ♦ ♦ ♦

### Amiga Video Microscope System

Special microscope/interface plugs into genlock to be used with titling or paint software to enhance presentations in science classroom. Comes with classroom activities. Call for information.

*Mr. Horan's Computer Lab, 12338 Shelbyville Road, Louisville, KY 40243, (800) 274-8446*

## ♦ ♦ ♦ ENTERTAINMENT ♦ ♦ ♦

### 4-Player Adaptor Cable

Connects up to four joysticks at one time. You can play two players against two, or field a team of up to three against the computer. To be used with MicroDeal's International Soccer, Leatherneck, and other future games. \$14.95  
*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

### Actionware Light Phaser

The first light gun for the home computer entertainment market. Designed to work with such action-packed games as Capone, P.O.W., Creature, and more. More light gun games are under development. \$49.95  
*Actionware, 38 W. 255 Deerpath Rd., Batavia, IL 60510, (800) 848-2333*

### Dual Gun Adapter

The Dual Gun Adapter is designed specifically for Actionware games which use the Actionware Light Gun. By using the Adapter, the player can use two guns at once or allow a partner to join in the fun. For A500 and A2000 only. \$39.95  
*Actionware, 38 W. 255 Deerpath Rd., Batavia, IL 60510, (800) 848-2333*

## ♦ ♦ ♦ ENTERTAINMENT ♦ ♦ ♦ JOYSTICKS

### Ergostick

A soft, pliable, ergonomically engineered joystick that comfortably fits your hand. State-of-the-art microswitches, supersensitive touch control. \$24.99  
*Suncom, 6400 W. Gross Point Road, Niles, IL 60648, (708) 647-4040*

### Gravis Switch Joystick

The Gravis Switch Joystick advances the 'art' of joystick control with a full-sized, foam-padded, pistol-grip handle, and adjustable handle tension. Turbo-fire is a new feature on each of the three buttons, providing even faster response and a greater degree of control. The joystick is durable and versatile enough to handle today's wide range of software from the precision & control required for flight & driving simulations to the frantic and hard-hitting pace involved with action-packed, arcade-type software. Another new feature is the automatic trigger point adjustment of the tension wheel. The reaction time is faster for arcade-type games, and control is greater for the simulation software. The Gravis Switch Joystick carries a one-year, no-nonsense warranty promising dependable, long-lasting, hassle free use. \$49.95  
*Advanced Gravis Computer Technology Ltd., 7033 Antrim Ave., Burnaby BC, Canada C5J 4M5, (604) 434-7274*

## Hot Stuff

Choosing the color may be your toughest decision with Hot Stuff, a highly interactive joystick that will improve the precision of your play as well as your scores. Grab hold of the Pistol-Grip and fire away. The handle is topped off with two trigger buttons with a second set of fire buttons located on the base. Hot Stuff sports an auto-fire switch as well as four super suction feet on its base. Available in pink, blue, green, or yellow. \$10.99  
*Beeshu, Inc., 930 Carter Rd., Winter Garden, FL 34787, (407) 877-2100*

## Powerplayers Joystick

Trigger-style joystick that allows easy maneuverability and rapid firepower. \$29.95  
*MindScape, A Software Toolworks company, 60 Leveroni Court, Novato, CA 94949, (415) 883-3000*

## Spinner Model #90104

Now you can have fingertip control for precise and instant response. With the Spinner you'll get more sensitivity than with any other type of cursor. There is no extra power source required. The Spinner features a three button design and sports a revolutionary 4th 'drag' button to 'lock' for continuous drawing/operation. With the Spinner you have a resolution of 200 dpi, and a tracking speed to 500mm/s. The Spinner also comes with its own simulated leather dust cover-so you can cover it up when you're done. \$99.95  
*Beeshu, Inc., 930 Carter Rd., Winter Garden, FL 34787, (407) 877-2100*

## Stik-Gripper™

Stik-Gripper™ is a solid steel joystick clamp which you can clamp to your table and place your joystick in! This handy device allows rugged, one-handed play just like in the arcades! It is adjustable to fit any joystick up to 4 5/8 inches wide including Wico, Kraft, Suncom, and more! This device will definitely improve your scores on those fast-moving, hard-driving games! A must for the true gamer! \$9.99  
*Duggan DeZign Inc., 300 Quaker Lane Ste. 7, Warwick, RI 02886, (800) 962-6107*

## Stik-Gripper™ T.C.S.

Stik-Gripper T.C.S.™ (Total Control Stand) is a patented joystick holding stand which secures your joystick front and center for one-handed arcade type action! It is a rugged, three-piece plastic stand which you place on your chair and straddle with your legs. Any joystick (including Gravis and The Flight Stick) will easily mount or dismount from it through the Velcro pads provided. It will put you in the cockpit with flight simulators as it allows you to use your keyboard and joystick at the same time! \$19.99  
*Duggan DeZign Inc., 300 Quaker Lane Ste. 7, Warwick, RI 02886, (800) 962-6107*

## Tac-30

A competition grade joystick featuring fixed auto-fire and three fire buttons for speed, comfort, and better reaction time. Has silent microswitches and precision, aircraft-style grip. \$16.99  
*Suncom, 6400 W. Gross Point Road, Niles, IL 60648, (708) 647-4040*

## Tac-50

A competition grade joystick featuring variable auto-fire and four fire buttons for speed. Has digital microswitches array technology, providing tactile and audible feedback. Includes trigger fire grip for precise control. Lifetime warranty. \$19.99  
*Suncom, 6400 W. Gross Point Road, Niles, IL 60648, (708) 647-4040*

## The MouseStick Controller

Supports two-way communication through the ADB port, and has a full cdev (control panel device). The cdev allows the user to save custom settings for the MouseStick by application. The MouseStick consists of two components: an optomechanical joystick with 1200 count resolution, coupled with a separate controller unit called the GMPU. The improvements in the new MouseStick are contained in a new ROM chip, meaning that owners of the earlier version of the MouseStick can easily upgrade (free of charge) simply by replacing their existing chip. \$129.95  
*Advanced Gravis Computer Technology Ltd., 7033 Antrim Ave., Burnaby BC, Canada C5J 4M5, (604) 434-7274*



# Miscellaneous Hardware

## UFO CC 1000

A wired joystick for use with Amiga or Atari. \$16.95  
**Winner Products USA Inc.**, 821 S. Lemon Ave., Ste. A-9, Walnut, CA 91789, (714) 595-2490

## UFO RC 1000

A remote joystick for use with Amigas or Atari. \$34.95  
**Winner Products USA Inc.**, 821 S. Lemon Ave., Ste. A-9, Walnut, CA 91789, (714) 595-2490

## Ultimate Superstick

The Ultimate Superstick is an arcade-style controller that features eight directional micro switch controls and two independent Dial-A-Speed autofires—permitting as many as 30 shoots per second! The Ultimate also comes with two sets of fire/jump buttons, each with its own operating LED, making it versatile for left- and right-handed players. The Ultimate has five suction cups allowing it to be mounted firmly on any smooth surface, and comes with a 10-foot cord allowing the gamer to play from a greater distance. \$39.95  
**Beeshu, Inc.**, 930 Carter Rd., Winter Garden, FL 34787, (407) 877-2100

## Zoomer 90806 (Analog/Digital)

Introducing the Zoomer-A hot console with analog 360 degree rotational control. Zoomer was designed to improve scores in every type of playing situation. Cycles, 4-wheelers, racing games, and air combat games. The Zoomer features advanced technology. Turn the wheel left or right and pull up or down. With fire buttons built into the handle, action has never been more realistic. A six-foot cord and four super strong suction feet allow for easy mounting on any smooth surface. Analog/digital switchable. Product measures approximately 11-inch H x 11-inch W x 7.5-inch D. \$89.95  
**Beeshu, Inc.**, 930 Carter Rd., Winter Garden, FL 34787, (407) 877-2100

## Zoomer™ 40406

Zoomer™ is a console-type controller that was designed to improve scores in every type of playing situation: cycles, 4-wheelers, racing games, and air combat games. The wheel can be turned right or left and can be tilted up or down, with 2 Dial-A-Speed auto-fire buttons built into the handle. A 10-foot cord and four super strong suction feet allow for easy mounting on any smooth surface. \$49.95  
**Beeshu, Inc.**, 930 Carter Rd., Winter Garden, FL 34787, (407) 877-2100

## ♦ ♦ ♦ EXPERIMENTAL ♦ ♦ ♦ HARDWARE

### Link-Interface

Auto-config and can be used together with other transputer boards. Designed to also be used as an experiment board. There is even an auto-config chip-select provided for your own circuitry. Compatible with the INMOS B004 development board. Includes AFSEVER software. 399 Duetschemarks  
**Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany**, (011) 4942-1349-9517

### MAX—125™ Autoboot Interface Adapter

For developers and experimenters wanting to integrate IBM-compatible I/O device boards to the Commodore Amiga line of computers, we have a developer's versions of the MAX-125 board available that includes two 8K by 8 or two 32K by 8 (16K used) static RAM chips and a RAM upload utility. This allows you to develop and test drive code that will later be put into EPROM. The MAX-125 autoconfigures to a 64K block of Amiga I/O space of which typically 32K is available for I/O device mapping and 32K for code. Up to seven non-DMA, programmed I/O and/or memory-mapped, 8-bit XT and/or 16-bit AT boards can be supported. Please call for configuration pricing information.  
**Palomax, Inc.**, 424 Moreboro Road, Hatboro, PA 19040-3932, (215) 672-6815

### NES, Inc. AM-200A Amiga 2000/2500 Prototyping Board

Prototyping board for use with the A500 or A1000. Same specs as AM-200A Prototyping board. \$49.95  
**N.E.S. Corp.**, 4660 SW Flower Place, Portland, OR 97221, (503) 246-9311

### NES, Inc. AM-200B Amiga 2000 Coprocessor/Video Slot Prototyping Board

Prototyping board for use in the A2000 video slot. \$79.95  
**N.E.S. Corp.**, 4660 SW Flower Place, Portland, OR 97221, (503) 246-9311

### Parallel Port I/O Board

Simple I/O board providing eight logic inputs and 16 logic outputs, eight channels of A/D conversion, seven relay driver interfaces and prototyping space. Includes test/demo program and standard library for easy access from C, M2, etc. AUS \$160.  
**Phoenix Microtechnologies Pty. Ltd.**, 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752

### Zorro II-III Prototyping Board

Prototype board for the A2000 and A3000. Allows developers, engineers, and dedicated hobbyists to build, test, and debug custom hardware before developing a custom printed circuit board. Two-sided board designed for maximum flexibility has over 4400 plated through holes on a 0.1 grid. Main prototyping area accepts IC's in DIP packages with as many as 64 pins and IC's in PGA packages as large as 14 x 14 pins. I/O connector pattern and mounting bracket designed for D connectors with up to 25 pins. \$49.95  
**Celestial Systems**, 1116-A 8th Street Ste. 165, Manhattan Beach, CA 90266, (213) 640-7734

## ♦ ♦ ♦ FAX-SSTV ♦ ♦ ♦

### Amiga Video Terminal (AVT) System

The AVT system utilizes the graphics capabilities of the Amiga to transmit and receive high-resolution facsimile and slow-scan television images. Received images can be printed on any Amiga printer or saved on a disk file. A unique capability of the AVT mode is the 400 Hz bandwidths, instead of the conventional 1100 or 1200 Hz SSTV bandwidths. If used in conjunction with a CW filter and IF shift, this drastically improves the signal-to-noise ratio, enabling clearer reception of weak signals. Further, all video information is crystal-locked at both the transmitting and receiving stations at the start of each frame, eliminating misalignment. Another unique feature of the AVT system is its ability to send high-speed color images over the one line to similarly-equipped AVT system stations. There's also telephone ring detector and auto-answering. \$299.95  
**Advanced Electronic Applications, Inc.**, P.O. Box C2160, 2006-196th S.W., Lynnwood, WA 98036-0918, (206) 775-7373

### ClickFAX

ClickFAX supports both sending and receiving fax documents at 9600 baud. It provides standard telecomm modem capabilities, at speeds of 300, 1200, and 2400 baud with MNP level three, four, and five support. ClickFAX has three complete user interfaces. You can utilize all of the system's features from the WorkBench using the mouse, from your CLI or Shell using simple typed commands, or via AREXX from any application, script, or macro. It can read ASCII text files, IFF graphics files, and pre-compressed '.fax' files created by itself or the AE 'SendFAX.' The system consists of an attractive external modem, cable, and support software. \$449.95  
**Black Belt Systems**, 398 Johnson Road, RR-1 Box 4272, Glasgow, MT 59230, (800) TK-AMIGA

### ♦ Supra FAXModem V.32

**9600 Send/Receive Fax**  
 This modem features CCITT V.32, CCITT V.42bis, and MNP 2—5, providing up to 38,400 bps throughput when connected to a modem that supports the same protocols. The SupraModem 9600 features a five year warranty, Hayes compatibility, asynchronous and synchronous operation, compatibility with most popular telecommunications software, Bell 103/212A and CCITT V.21/V.22/V.22bis protocols, autoanswer/autodial (tone or pulse), two modular phone jacks, adjustable-volume speaker, and is made in the USA. It works with any computer with an RS-232C serial port and comes with everything the user needs except telecommunications software and an RS-232C cable to connect the modem to the computer. Works with any Class 1 or 2 fax software (not included). \$349.95  
**Supra Corporation**, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772

## ♦ ♦ GRAPHICS HARDWARE ♦ ♦

### ♦ BCD-2000A

The BCD 2000-A is a frame-accurate controller which permits a Commodore Amiga 2000 or 2500 to operate industrial and broadcast video tape and disc machines for single-frame recording. It fits in a single Amiga or IBM slot and communicates with the Amiga via the computer's internal serial connector. Frame-accurate editing is achieved with the use of SMPTE time code. PAL (EBU) time code is jumper-selectable for worldwide compatibility. Requires Amiga 2000/2500, one slot. Optional display \$225.00. \$995.00  
**BCD Associates (Interactive Video Systems)**, 7510 North Broadway, Ste. 205, Oklahoma City, OK 73116, (405) 843-4574

### BCD-5000

The BCD-5000 is a frame-accurate controller which permits a computer to operate industrial and broadcast video tape and disc machines for single-frame recording. Frame-accurate editing is achieved with the use of SMPTE time code. EBU time code is a factory option for worldwide compatibility. Requires RS-232 Serial Port. RS-422 optional. \$2695-\$3995. Optional display \$300.  
**BCD Associates (Interactive Video Systems)**, 7510 North Broadway, Ste. 205, Oklahoma City, OK 73116, (405) 843-4574

### ColorBurst 24-bit Color Card for All Amigas

Now every Amiga model can have 16.8 million colors with quality equal to that of a Mac, but with many additional features. ColorBurst is not HAM or YC mixing, but true 24-bit pure RGB output. There is no blurring or loss of definition with ColorBurst. External device which plugs into monitor port. Greater than broadcast quality. A resolution of 780 x 580 pixels supports full overscan. RGB Dynamic White Balance Correction capability. Two hardware playfields and two Amiga hardware playfields for a total of four playfields. Pixel by pixel transparency can be set for truly spectacular special effects. Real time image processing. A 24-bit paint package included. Loads IFF files from DPaint III, etc. Loaders for DigiView, etc. Can be written to by Blitter for hi-speed graphics manipulation. Stores up to 4 x 16 million color frames at once and does real time animation on 4096 colors out of 16 million palette. Real time horizontal and vertical scrolling. Genlockable. It has 1.5MB chip RAM and own processor chip. Loads IFF, 24-bit IFF, Targa, TIFF, Impulse Imagine formats. \$699.00  
**M.A.S.T. Memory and Storage Technology, Inc.**, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

### DMI020

The 1280 x 1024 24 plane system makes available the full 16+ million color spectrum, and over 1,300,000 pixels. The Memory Buffer Option for the DMI020 doubles the amount of available vRAM providing for faster screen displays. Three to five times more addressable data. Programmable control up to its maximum resolution.  
**Digital Micronics, Inc.**, 5674-P El Camino Real, Carlsbad, CA 92008-7130, (619) 931-8554  
**Please see display ad inside front cover.**

### X-Specs 3-D Amiga System

Through these advanced high-speed liquid crystal spectacles, your computer can now independently control what each eye sees. The results are the breathtaking world of stereoscopic vision. Add new depth to presentations, CAD/CAM, and molecular or solids modeling. Play games with more realism than ever imaginable. Software and hardware included, just plug into joystick port. \$149.95  
**Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518**

### ♦ X-Specs 3D Amiga Dev Kit

Powerful software tools and extensive documentation for Amiga programmers that wish to master the utilization of X-Specs imagery. \$49.95  
**Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518**

### ♦ X-Specs 3D Generic

X-Specs glasses with generic hardware interface for adapting to IBM-PC, Mac, etc. \$79.95  
**Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518**

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### ◆ X-Specs 3D Glasses

Glasses only for use with Amiga or VCR interface. \$59.95  
*Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518*

### ◆ X-Specs TV

This latest device from Haitex Resources allows images to be recorded to video tape and then replayed with stereoscopic 3-D depth. Ideal for animation or professional presentation. Compatible with NTSC composite video ONLY and requires the use of the X-Specs 3D glasses. \$169.95  
*Haitex Resources, P.O. Box 20609, Charleston, SC 29413-0609, (803) 881-7518*

## ◆ ◆ ◆ HOME SECURITY ◆ ◆ ◆ HARDWARE

### Intruder Alert

Allows your computer to become a monitoring, logging, or security system for your home or business. The system comes complete with everything you need for remote sensing, including detector switches and wire. Intruder Alert Monitor software allows for digitized audio alarms, speech synthesis, modem interaction, date and time stamping of events, external program launching, and utility support for BSR/X-10 controlling. \$159.95  
*Software Terminal, P.O. Box 123225, Fort Worth, TX 76121, (817) 737-3297*

## ◆ ◆ ◆ INPUT DEVICES ◆ ◆ ◆ GRAPHIC TABLETS

### AProDRAW® 9 x 6 inch Graphics Tablet Package

AProDraw® graphics tablets feature high resolution Summagraphics digitizing tablets with a two-button stylus, four-button puck and a multi-tasking driver for the Amiga. Additional program allows user to scale the tablet or screen while working to enlarge or reduce a picture. Interfaces through the serial port. Active area is 9 x 6 inches. AProDraw® 12 x 12 Inch Graphics Tablet is available for \$599.00. AProDraw® 18 x 12 Inch Graphics Tablet is available for \$999.00. \$499.00  
*R & D L Productions, Inc., 40 Liss Rd., Wappingers Falls, NY 12590-1609, (914) 298-8968*

### Amiga Wiz

A compact digitizing tablet and mouse replacement with 7.5-inch by 7.5-inch active area and 1000 lines per inch resolution. Wiz hardware by Calcomp comes standard with 2 button pen and 5 year Calcomp warranty. Tri-Media Wiz software includes an Amiga-integrated control program for all Wiz options. Features include tablet & pointer selection, an easy to use scaling mode for tracing, absolute (tracing) or relative (mouse) mode. 6 button cursor optional. \$249.00  
*TriMedia Inc., 60 East Hintz Rd., Wheeling, IL 60090, (708) 520-0730*

### Amiga Wiz 6-Button Cursor

A mouse-style 6 button cursor with cross-hairs for high accuracy tracing and general pointing use. Tri-Media software included with Amiga Wiz allows assignment of button functions. Extra buttons can be assigned keyboard commands. \$75.00  
*TriMedia Inc., 60 East Hintz Rd., Wheeling, IL 60090, (708) 520-0730*

### IS/ONE

A total input tablet for the Amiga with interface kit and programmable menu-strip featuring five Program softkeys and up to 23 function softkeys to execute batches of your pre-programmed key-strokes with one touch. Allows instant switching from application to drawing to menu picking. Available with corded cursor, cordless pen or cursor, two switch pen, or with corded 12-button cursor. Tablet sizes: 8.5 x 11, 12 x 12, 12 x 17. Also includes IS/PENCRAFT software driver. When ordering, specify Amiga Interface Kit. \$525.00-\$995.00  
*Kurta, 3007 East Chambers, Phoenix, AZ 85040, (602) 276-5533*

### IS/PENMOUSE

Comes with 6 x 9 tablet with interface kit. Available with cordless pen or cordless cursor. Features Kurta's dynamic scaling to miniaturize/maximize the active area. When ordering, specify Amiga Interface Kit. \$395.00  
*Kurta, 3007 East Chambers, Phoenix, AZ 85040, (602) 276-5533*

### SketchMaster 12 x 12

SketchMaster graphics tablets are ideal for animation, tracing, and design. The tablet is compatible with any Amiga model and all mouse-driven software. SketchMaster features 1000-lines-per-inch resolution, half-inch lock-height, comprehensive software drivers for Amiga and IBM, and a protective clear overlay. SketchMaster is the only Amiga graphics tablet that does not require a power supply (interfaces through serial port). System includes a high performance tablet, two-button stylus, four-button cursor, interface cable, 9 to 25 pin adapter, tablet software driver, and manual. SketchMaster is backed by a five-year limited warranty. Active area is 11.7 x 11.7 inches. 12 x 18 inch version \$699.00. SketchMaster is also 2.0 compatible. \$499.00  
*Dakota Corporation, 135 Lafayette Rd., North Hampton, NH 03862, (603) 964-2112*

## ◆ ◆ ◆ INPUT DEVICES ◆ ◆ ◆ KEYBOARDS

### ◆ AKC-1000 Keyboard Connector

Use a standard Amiga keyboard on your Amiga 1000, or use an XT-Enhanced keyboard with the KA-1 Keyboard Adapter. Quality components, lifetime warranty. Fou use with Amiga 1000, A2000, A3000 series keyboard, or XT-Enhanced keyboard with KA-1 Adapter. \$19.95  
*Top Secret Device, 1610 George Washington Blvd., Wichita, KS 67211, (316) 685-4763*

### ◆ CDKC-1000 Keyboard Connector

Use a standard Amiga keyboard on your CDTV or use an XT-enhanced keyboard with the KA-1 Keyboard Adapter. Quality components, lifetime warranty. Can be used with CDTV, A2000/A3000 series keyboard, or XT-enhanced keyboard with KA-1 adapter. \$19.95  
*Top Secret Device, 1610 George Washington Blvd., Wichita, KS 67211, (316) 685-4763*

### Freedom 500

The Freedom 500 for the A500 gives your freedom of movement, and because the face plate can be used as a copy holder, an A500 with a Freedom 500 gives you some desk space back. The Freedom 500's detachable keyboard is a kit that uses the A500's own built-in keyboard. Features include all metal construction, light weight metal that won't rust, rubber feet that won't scratch furniture, and precision crafted, hand-inspected high quality. Also, the Freedom 500 is colored and textured to match the A500, and requires no soldering or drilling to install. \$115.00  
*Lightning Bolt Computers, 1737 Waltham Drive, Ann Arbor, MI 48103, (313) 769-5670*

### KB-Talker

PC/AT-to-Amiga keyboard interface adapter. Allows AT-compatible keyboards to be used on the A1000 or A2000/2500/3000 computers. No software involved, Amiga and IBM keymaps available on-the-fly. Keycap labels and extension cord included. Complete Amiga compatibility is achieved. \$59.95

*Co-Tronics Engineering, P.O. Box 5146, Glendale, AZ 85312-5146, (602) 435-0350*

### ◆ KB-Talker 500

PC/AT-to-A500 keyboard interface adapter kit. Allows an external, disconnectable PC/AT keyboard to be attached to an Amiga A500. A hole is required to be drilled into the back panel for the connector. Total Amiga compatibility is achieved, no software required, transparent to the user. Amiga and IBM keymaps selectable on-the-fly. Includes keycap labels and coiled extension cord. \$89.95  
*Co-Tronics Engineering, P.O. Box 5146, Glendale, AZ 85312-5146, (602) 435-0350*

## ◆ ◆ ◆ INPUT DEVICES ◆ ◆ ◆ LIGHT PENS

### The Amiga Light Pen

Two-button touch switch pen with transparent driver. Allows user to choose pen, mouse, or both for hi-res precision graphics. Operates in both interlace and non-interlace modes. When used with graphics programs, the Light Pen gives data entry the simplicity of paper and pencil for drawing, painting, and free-hand sketching on the computer as well as the precision required for CAD. \$129.95  
*Inkwell Systems, P.O. Box 1997, Imperial Beach, CA 91933, (619) 429-6093*

## ◆ ◆ ◆ INPUT DEVICES ◆ ◆ ◆ MOUSES

### ◆ AirMouse Remote Control

Two-button point-and-pick remote mouse for controlling interactive video presentations. No wires. Battery operated. User can be up to ten meters from the large monitor, or projection screen. Replaces the computer mouse or CDTV remote control. Requires AmigaDOS 1.3 or later. Available for NTSC. \$595.00  
*Selectech, Ltd., 30 Mountain View Drive, Colchester, VT 05446, (802) 655-9600*

### Amiga Mouse

Compatible with all Amigas. \$74.95  
*Bethesda Softworks, 15235 Shady Grove Road, Suite 100, Rockville, MD 20850, (301) 926-8300*

### Amiga/MouseStick

The Gravis MouseStick is an optomechanical mouse/joystick combination. With 1200 lines of resolution, and a 16K ROM processing unit, and it is a premium games device. The Mousestick editing program gives you complete control over response, speed, fire rate, and many other functions. It even provides that 'analog feel' for flight simulation software. Four of your favorite settings can be set and one can even be set as start-up, allowing you to start playing the game right away. The MouseStick includes many of the outstanding features developed by Gravis for their switch joystick, such as the foam-padded pistol-grip handle, adjustable handle tension, and three micro-switch firing buttons. The MouseStick also carries Gravis' one-year non-sense warranty. \$99.95  
*Advanced Gravis Computer Technology Ltd., 7033 Antrim Ave., Burnaby BC, Canada C5J 4M5, (604) 434-7274*

### BOING! Mouse

A high-quality replacement mouse for the Amiga computer. No moving parts to wear out. Comes with special, reflective mouse pad. It has three buttons for use by new software and a two-year warranty. \$125.00  
*BOING, 1881 Ellwell Drive, Milpitas, CA 95035, (408) 262-1469*

### ◆ CLM Series infra-red (IR) Cordless Mouse

CLM-MT for the Amiga features infra-red signal transmission cordless operation, and user-friendly front panel LED. Supports quick-recharging external power connector.  
*CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (800) 798-2497*

### CSI 5500-BOING! Optical Mouse

Smooth optical mouse for all Amigas. Double the resolution of the standard mouse for better precision. Supports X-Windows, Amiga UNIX, and Workbench 2.0. The only optical mouse available for the Amiga. No moving parts to wear out and smooth mouse movement. Also includes free D.U.D.E. (Directory Utility/DOS Enhancer) software. \$149.00  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

### Cat Mouse

Replacement mouse for all Amigas. Uses Omron micro switches for unparalleled feel and control. Omron switches eliminate annoyances and accidental double clicks! Includes utilities software. \$69.95  
*Micro R & D, Div of Applied Technologies, Inc., 137 N. 7th Street, Loup City, NE 68853, (308) 745-1243*

# Miscellaneous Hardware

## ◆ GI-1000

Fully optical mouse with no ball for all Amiga computers. \$69.00  
GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

## ◆ GI-600

Opto-mechanical replacement mouse for all Amiga computers. \$49.00  
GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

## ◆ GI-700

Cordless mouse with infrared transmission for all Amiga computers. \$99.00  
GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

## ◆ GI-7000

Cordless trackball with infrared transmission for all Amiga computers. \$119.00  
GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

## Genius Mouse

A high-quality direct replacement mouse. Teflon glides for smooth movement. Rubber-coated ball for positive traction. Six-foot connecting cable and softer, more positive button clicking. \$49.95  
Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110

## ◆ JP-100

Brush mouse for all Amiga computers. \$99.00  
GoldenIMAGE Technology Corp., 3578 E. Enterprise Drive, Anaheim, CA 92807, (800) 327-4482

## M4 Mouse

For use with Amiga 500, 1000, and 2,000. \$49.95  
Winner Products USA Inc., 821 S. Lemon Ave., Ste. A-9, Walnut, CA 91789, (714) 595-2490

## ◆ OMM Series Opto-mechanical Mouse

OMM-MT or OMM-MT-S for the Amiga features rapid, smooth point-to-point movement, and aesthetic ergonomic design. Effortless operation with reliable micro-switch buttons.  
CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (800) 798-2497

## ◆ OPM Series Optical Mouse

OPM-MT for the Amiga features high resolution with 600mm/sec tracking speed. Effortless finger tip operated buttons. It is fast, smooth, and accurate.  
CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (800) 798-2497

## RM300C

This mouse features 200 DPI and is compatible with all Amiga systems. \$50.00  
ROCTEC Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030, (408) 379-1713

## T4 Trackball

For use with Amiga 500, 1000, or 2,000. C1352 compatible. \$59.95  
Winner Products USA Inc., 821 S. Lemon Ave., Ste. A-9, Walnut, CA 91789, (714) 595-2490

## ◆ ◆ ◆ INPUT DEVICES ◆ ◆ ◆ TOUCH SCREENS

### Amiga Touch Driver

With the Amiga Touch Driver, users can use a touch screen for any Amiga application. Touch screen input, cursor control is as natural as pointing with one's finger. Users can select from menus, create drawings, and manipulate windows simply by touching the screen—without reaching, orienting, or clicking a mouse. \$395.00  
MicroTouch Systems, Inc., 55 Jonspin Road, Wilmington, MA 01887, (508) 694-9900

### Amiga UnMouse

With the UnMouse, all you need is this innovative mouse alternative, plus your finger. No annoying mice to locate, orient, and roll. No moving parts to break. No balls to clog, skip, or clean. No moving tails to spill coffee. The UnMouse does everything a mouse can—only faster, easier, and in less space. To move the cursor, simply slide your finger over the glass surface. To make a selection, merely press

down. The UnMouse also serves as an extended keyboard. Tap the large red button and you have a Power Keypad with 16 keys instantly available to execute macros (60 in advanced mode). With its one million touch points, The UnMouse also performs as a small graphics tablet. \$235.00  
MicroTouch Systems, Inc., 55 Jonspin Road, Wilmington, MA 01887, (508) 694-9900

### Future Touch Integrated

**Touch Screen Monitors**  
Monitors come with Touch Driver Program which works with all authoring software including: VIVA, AmigaVision, CanDo, Foundation, The Director, C.L.A.S., The Learning Curve, Elan Performer, MediaShow, and Microtext. The monitor inputs touch information to the Amiga's RS-232 or Parallel port. Customer must specify interface required, serial, parallel, or both (\$29.95 option). Additional serial ports for the A2000 are available. (Comports). The 13-inch RGB Monitor (CBM 10845 or Open Frame): \$1195; 13-inch Multi Sync monitor (CBM 1950): \$1495; 19-inch RGB Monitor (Sony PVM 2030): \$2495; 19-inch RGB or Composite Open Frame Monitor: \$1595.  
Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334

**Please see display at page 118.**

### UnMouse 3-inch x 5-inch Touch Tablet

MicroTouch flat surface touch tablet, 3-inch x 5-inch, for the Amiga. Amigo's custom software allows the UnMouse to behave similarly to a standard Future Touch touch screen. The UnMouse serial input is converted to Amiga mouse data. Package includes UnMouse Touch Tablet, Amiga cable set, and Amigo's Future Touch Driver. \$235.00  
Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334

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## ◆ ◆ ◆ INTEGRATED ◆ ◆ ◆ MULTIMEDIA SYSTEMS

### 24 Hour Concierge Cabinet/Kiosk

Our attractive all-steel kiosk provides a unique and durable cabinet for displaying your multimedia presentation for public use. Kiosk design features an ergonomically-placed touch-screen monitor, strategic ventilation for cool operation and stereo speaker placement, easy front door access to the Amiga computer and/or laserdisk player, and an area for an illuminated sign. \$1899.00  
Doss Industries, 1224 Mariposa St., San Francisco, CA 94107, (415) 861-2223

### ◆ CAPS XL

CAPS XL offers a multi-user environment in which several people, working on IBM-compatible machines, Apple Macintosh and Commodore Amigas can cooperate in setting up colorful, professional presentations, which may be run 24 hours a day on public cable TV systems or inhouse video networks. Presentations or newflashes can be sent to a remote Amiga without interrupting the running show. It features script and presentation Repository, Page lay-out system, Object-oriented script editor, Multi-user communications via modem or wire, Electronic mail, Animations, Remote access with all popular systems, optional VCR control module. CAPS XL is unique in the way it handles editing shown at remote locations (also on character oriented workstations). Pictures can be downloaded from and uploaded to the Amiga feeding the network, to enable editing of existing screen images and adding new ones. CAPS XL is \$1399.00; additional workstation software is \$559.00; additional sendstation software is \$849.00. Distributed by Computer Video Solutions, 14B S 7th St., Akron, Pennsylvania, 17501, (717) 859-2049.  
Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914

### Groom

The Groom is a reception system which is distributed by a computer. It is put at the strategic crossroads of hotel receptions, training centers, and large companies. The Groom quickly and efficiently directs visitors, trainees, and guests. The Groom uses

the graphic and animation possibilities of the Amiga, is user-friendly, and can be easily updated. Available for PAL, AmigaDOS 1.3 compatible. Price: 150FF.  
IMEDIA, Cap 107-67, rue Robespierre, 93558 Montreuil-Cedex, France, (011) 3314-857-5959

### Integrated Public Information Kiosk

Integrated Multimedia Kiosk. Amigo offers the lowest cost implementation of a fully configured stand-alone, interactive, multimedia kiosk. Seven-foot high public information kiosk contains fan, surge protector, wire harnesses, A3000-16MHz with 6MB RAM, 3.5-inch floppy, 50MB hard drive, A10 Speaker System, A2300 Genlock, 19-inch color touchscreen monitor, and Pioneer LD-V2000 Laser Disc Player. AmigaVision, diagnostic software, touchscreen driver and laser player driver are included. \$5995.00  
Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334

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## ◆ ◆ ◆ MODEMS ◆ ◆ ◆

### 1670 Stand-Alone Interface

Our 1670 Stand-Alone Interface allows you to use the Commodore 1670 modem on all Amiga machines. Powers itself and 1670, has 3-foot cable, status LED's, on/off switch, and modem reset switch. Can be used on any computer that has RS-232 serial port. The 1670 Stand-Alone Interface comes with complete instructions and is easy to set up and use. \$44.95  
LRA Enterprises, 35615 Avenue D, Yucaipa, CA 92399, (714) 797-6867

### 9600 Baud Bandit External Modem

A 9600 baud external modem, 100% Hayes-compatible. Price TBA.  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144  
**Please see display at page B.**

### 9600 Baud Bandit Internal Modem

A 9600 baud internal modem for Amiga 2000s and 3000s. 100% Hayes compatible. V.32 protocol. Price TBA.  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144  
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### A1680

1200 Baud modem. Access valuable information outside your workstation with the MODEM/1200 RS. Uses the popular Hayes command protocol to perform high-speed data communication over phone lines. Tap all major information networks to gather nearly limitless information. Supports standard RS232C interface so that it can be used with most computers on the market that offer a RS232 serial port. Offers the option of low speed compatibility with all Bell 103, 300 Baud modems. \$59.00  
Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

### AE Send-Fax

AE Send-Fax, a new software/hardware option available on AE's DataLink modems, makes the DataLinks the first fax modems available for the Amiga platform. Amiga users just push a few keys to send the message directly to any group 3 fax machine. Not AmigaDOS 2.0 compatible. \$79.00  
Applied Engineering, P.O. Box 5100, Carrollton, TX 75011, (214) 241-6060

### Avatex 1200 E

Fully Hayes-compatible 300/1200 baud modem. Includes communications software. \$69.00  
Megatronics, 1094 N. Main Street, Logan, UT 84321, (800) 232-6342

### Avatex 2400 E

300/1200/2400 fully Hayes-compatible modem. Includes communications software. \$119.00  
Megatronics, 1094 N. Main Street, Logan, UT 84321, (800) 232-6342

### Baud Bandit 2400

A 2400-baud fully Hayes-AT-compatible modem. Has fully worded LED readout panel and privacy circuitry shielding. Sleek, black exterior design. \$169.95  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144

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## Baud Bandit MNP/Level 5 Plus

Advanced 2400 baud modem with 100% error-free transmission. MNP/Level 5 compression technology doubles transfer rate up to 4800 baud. \$199.95  
*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144*  
**Please see display ad page B.**

## DataLink 2000

Internal 2400 bps modem for the Amiga 2000, 2500, and 3000. You can start with the base unit and upgrade later to add MNP-5 and send-FAX capability. Supports multitasking so that more than one modem can be running in the same machine simultaneously. Comes complete with communication software. Five-year warranty. DataLink 2000 \$159.00. With MNP-5 \$189.00. Send-FAX option \$39.00. Not AmigaDOS 2.0 compatible. \$159.00  
*Applied Engineering, P.O. Box 5100, Carrollton, TX 75011, (214) 241-6060*

## DataLink Express

External 2400 bps modem for all Amiga owners. Features a complete 12 lamp status array and our exclusive Line Engaged indicator, politely informing you that another user is on the line. The modem can be upgraded to include MNP-5 and send-FAX capability. Works with almost any computer including the entire Amiga line. Powerful communications software included plus a five-year warranty. With MNP-5 \$299.00. Not AmigaDOS 2.0 compatible. \$249.00  
*Applied Engineering, P.O. Box 5100, Carrollton, TX 75011, (214) 241-6060*

## ImageMaker 96

ImageMaker 96 sends and receives fax documents at 9600 baud. It communicates with any fax machine, can fax from within an application, and requires no extra software. ImageMaker 96 modems can communicate at 9600 baud using any communication program. It works on any Amiga. \$299.00  
*Picture Vision, 2006 Hogback Road, Ste. 7, Ann Arbor, MI 48105, (800) 242-3587*

## Minimodem-AM24

2400 baud modem specifically built for A500 and A2000. Powered from Amiga serial port and includes self test, speaker, and status LED's. Complete with terminal software, phone cord, and serial cable. \$99.95  
*APROTEK, 9323 West Evans Creek Road, Rogue River, OR 97537, (503) 582-2120*

## Minimodem-AM6216

300/1200 baud modem includes speaker with volume control and status indicator LED's. Hayes-compatible with terminal software. \$49.95  
*APROTEK, 9323 West Evans Creek Road, Rogue River, OR 97537, (503) 582-2120*

## Supra Modem 2400

2400baud modem. Hayes-compatible with AT commands and common protocols. Features nonvolatile memory, and more. Five-year warranty. \$149.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## Supra Modem 2400 Plus

Supra Modem 2400 Plus adds MNP levels 2-5 & CCITT V.42-bis error correction & data compression protocols to standard Supra Modem 2400 features. These protocols let the user get up to 9600 baud, error-free throughput when communicating with modems with the same protocols. Five year warranty. \$199.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## Supra Modem 2400 zi Plus

Includes ATalk III software. Internal 1/2 card 2400 baud modem for A2000. Hayes-compatible. That features non-volatile memory, and more. Supports up to five modems per computer. Adds MNP levels 2-5 and CCITT v.42-bis error corrections and data compression. Five-year warranty. \$229.95  
*Supra Corporation, 7101 Supra Drive SW, Albany, OR 97321, (800) 727-8772*

## ♦ ♦ ♦ MONITORS ♦ ♦ ♦

### 1084S Monitor

RGB/composite color maximizes your computer's video capabilities. High resolution, sharp image, superior color, and stereo sound. Compatible with C64, C128, and entire Amiga line. Also compatible with VCR and television tuners. Hue, brightness, contrast, sharpness, and volume controls in front. RGB Composite switch in front. Built-in stereo amplifier, speaker, and earphonejack. Analog RGB, Digital RGBI, NTSC composite, audio, and separate Luna/Chroma. \$399.95  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### 1930 VGA Color Monitor

RGB Analog supporting VGA compatible output (31.48 KHz). \$649.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### 1950 Multiscan Color Monitor

RGB Analog and RGBI (digital) capable of scanning video signals from 15-36 KHz. \$799.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ♦ 2024 High Resolution Monochrome Monitor

Hi-res (1008 x 800) Monochrome Monitor designed for professional productivity applications such as word processing and desktop publishing. Adds hires capabilities to all Amigas including the A500. Paperwhite (Grey Scale) monitor reduces eyestrain by de-interlacing Amiga High Resolution Video. Ergonomic design with tilt and swivel base allows for better viewing control.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Non Flicker Cable™ for any Amiga

Cable to use any TTL Hercules Monitor with the Amiga (B/W mode). Allows one to use A-Maz with the Amiga without flickering. Best result with Commodore 1402 monitor. \$39.50  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### PanaSync C1381

The Panasonic PanaSync C1381 offers the high-resolution color display of IBM's 8514/A video adaptor. Panasonic has aggressively positioned the PanaSync C1381 to provide business users with the industry's first affordable color display option. Features include: up-front controls, non-glare screen, and tilt-and-swivel stand. \$699.00  
*Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094*

### Viking I

The Viking I monitor from Moniterm is a specialized high-resolution monitor. The Viking I will display all standard Amiga resolutions by de-interlacing and converting them to four shades of grey. In the extended mode, the 19-inch monitor will display a 1008 x 800 non-interlaced resolution. Included with the Viking I is a card for the A2000 series video slot. The monitor will also display from the new Commodore Enhanced Chip Set. The Viking I for the A2000 targets business and professional users for desktop publishing, CAD/CAM engineering workstations, presentation, and spreadsheet applications. This display permits two full-facing pages of text and graphics for desktop publishing, word processing, and B size drawings. \$1995.00  
*Moniterm, 5740 Green Circle Drive, Minnetonka, MN 55343, (612) 935-4151*

## ♦ ♦ ♦ MONITOR ACCESSORIES ♦ ♦ ♦

### NFC Non Flicker Cable I

This cable allows one to use TTL monitors, e.g., Commodore 1402 with any Amiga. This black & white monitor doesn't flicker that much. \$39.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### NFC Non Flicker Cable II

This cable has three connectors. It allows to run the existing color monitor and at the same time a TTL black & white monitor, e.g., the Commodore 1402 with any Amiga. The TTL monitors, well known in the IBM world would not flicker. \$79.00  
*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

### NoRad dB60

Anti-glare/static/radiation filter grounded filter reduces flicker in high-resolution or interlace mode. Grounded for full elimination of static and electromagnetic radiation. Won't attract dust or reflect light. Easy maintenance. \$129.95  
*Brookfield Communications, 3820 Griffith View Drive, Los Angeles, CA 90039, (800) 533-dB60*

### ProfessionalPlus

Concerned about vision problems after long hours in front of your computer? OCLI's Glare/Guard filters relieve computer-related eye symptoms such as eyestrain, blurred vision, double vision and headaches by eliminating glare up to 99%. ProfessionalPlus also eliminates ELF/VLF E-field (electric field) radiation by 98 percent and neutralizes static charge. The modernized ProfessionalPlus filter is an essential part of the universal workstations appearing in offices everywhere, and is now available in a universal model which fits hundreds of monitors. Sizes available to fit the Commodore Amiga 1084S, 1801, 1802, and 1902A. \$99.00  
*Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397, (800) 545-OCLI (6254)*

### SoftTouch™

SoftTouch is a part of OCLI's GlareWare accessory line for computers. SoftTouch is a lint-free, hand-selected natural chamois specially prepared for cleaning fine optical surfaces. SoftTouch is enclosed in every Glare/Guard® Professional Plus™ box, and is also available as a separate item. \$5.95  
*Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397, (800) 545-OCLI (6254)*

### ♦ VOPEX-3A12H

A video splitter that allows 12 monitors to be attached to a single computer. With 230MHz bandwidth, the highest resolution monitors will display an image as crisp as the original. This unit can handle displays up to 1500 by 1500 resolution. All connectors are female BNC. Monitors can be placed up to 500 feet away by utilizing coax extension cables. Amiga interface cable available for an additional \$20.00. One year warranty. \$2100.00  
*Network Technologies Incorporated, 7322 Pettibone Road, Chagrin Falls, OH 44022, (800) RGB-TECH*

### Vantage

The Vantage, also made of tempered glass, but without the anti-glare coating on the back surface of the glass or the conductive coating, reduces glare up to 95 percent. In addition, it enhances contrast, sharpens data on the screen, reduces the halo effect, and eliminates screen flicker. The Vantage has sizes to fit the Amiga 1080 and the Amiga 1084S. \$59.00  
*Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397, (800) 545-OCLI (6254)*

## ♦ ♦ ♦ NETWORKING ♦ ♦ ♦

### ♦ 560 Arcnet Network Interface Adapter

2.5MB Arcnet Local Area Network (LAN) Board for Amiga 500. Supports Arcnet Bus Topology Network. Supports up to 256 nodes. Internal connector for optional 1MB RAM expansion unit. Full support for Amiga AUTOCONFIG. Includes: A560 main unit, enhanced power supply, BNC T Connector, BNC to BNC cable (two meter), 93 ohm Network Terminator.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ♦ ARNIS

ARNIS is a network operating system for Amigas, based on the UNIX protocol UUCP. Its functions are electronic mail, remote file copy, remote process launching, remote shell access (maintenance), electronic news, installation and configurations models, and differed launching of remote com-

mands. ARNIS offers a high quality of graphic interface. All the actions are done through icons, menus, and limited keyboarding zones. NTSC or PAL, AmigaDOS 2.0 compatible. Price: 2500FF. *IMEDIA, Cap 107-67, rue Robespierre, 93558 Montreuil-Cedex, France, (011) 3314-857-5959*

## ◆ AS220 Networking Software for Novell NetWare

Connect and communicate with Novell Networks running Novell NetWare version 2.15 or higher. Provides full-password security for network programs and data. Support for file passing between users. Supports Arcnet standard hardware systems. Easy file management and backup. Remote software updating from any node. Access data files from any authorized area from any node. Full accounting records for all NetWare services. Comprehensive resource status reports for tracking peripherals, files and directories and hardware connections.

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Amiga 2000 AmigaNet Ethernet Board

With the Hydra Ethernet board, the Amiga now has a full standard Ethernet connection. All Amigas can be connected in one network and share all the resources each of the Amigas in the net can provide. Several Amigas can use a single laser printer or access a large capacity hard disk. Users can also chat to each other and exchange programs. The AmigaNet (the Ethernet on the Amiga) is as fast as the fastest hard disks on the market. In addition, the software that is supplied with the board was written by the creators of AmigaDOS and Helios. There is also an AmigaNet Starter Package available for \$1,299.00. \$699.00

*Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517*

## Amiga Arcnet Network Adapter (A2060)

Arcnet Network Adapter for the Amiga 2000 and 3000 series. \$229.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## ◆ Amiga Client Software for Novell NetWare

ACS adapts any standard Novell NetWare network to allow Amiga computers to act as workstations or clients. ACS can be added to any existing Novell NetWare system running Version 2.15 or higher. Amiga users enjoy all the network capabilities available to IBM and Macintosh workstations. Users receive their own personal set of Amiga Preferences—including network printing preferences—automatically when they login from any Amiga on the network.

*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

## Amiga Ethernet Network Adapter (A2065)

Ethernet Network Adapter for the Amiga 2000 and 3000 series. \$349.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## CAL 032 Superlink

A2000 interface internal plug-in card. Supplied with CatenaNet software, which provides a print spooler, access to remote files and peripherals, and interworks with SimpleNet. Price unavailable.

*Nine Tiles, 25 Greenside, Waterbeach, Cambridge, England CB5 9HW, (011) 4422-386-2125*

## CAL 042 Superlink

A500 interface. Plugs into expansion connector on side of A500. Supplied with CatenaNet software. Price unavailable.

*Nine Tiles, 25 Greenside, Waterbeach, Cambridge, England CB5 9HW, (011) 4422-386-2125*

## DoubleTalk 500/2000/3000

A fully AppleTalk™-compatible network system for all Amigas. Allows full networking with Amiga and Macintosh™ computers. Operates at double speed on Amiga-only networks. 2000/3000 version: \$450.00. 500 version: \$500.00. \$449.95

*Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144*

**Please see display ad page B.**

◆ **S225 Network Communications Software**  
TCP/IP and UDP/IP Protocol support for Department of Defense and other TCP/IP Network applications. Network File System Client Application Support. VT100 Network Terminal Emulation. Supports L Ethernet solutions based on both Thick and Thin Ethernet (CheaperNet). Requires 1MB RAM. *Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## ◆ ◆ ◆ PORT EXPANSION ◆ ◆ ◆

### A2232

The A2232 is a multi-serial port card that provides the Amiga user seven additional RS232 ports. Each port can operate independently or simultaneously, and provides speeds up to 19.2K Baud. Additionally, the A2232's shared on-board RAM and dedicated micro-processor provides high-speed operation and full multitasking which is critical for many of the sophisticated applications that have been developed on the Amiga. \$399.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ACD Serial Interface Boards 2 & 4

Fits into one of the 100-pin expansion slots. Gives you two additional serial ports for a large variety of applications. Connect several printers, plotters, and scanners to your Amiga simultaneously. Autoconfig and takes only a 64K address range. Driver software and terminal program are shipped with the Serial Interface Board 2. SIB2: 299 Duetschemarks; SIB4: 349 Duetschemarks. *Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517*

### BusExpander™

Sub Assemblies turn a baby AT box and power supply into A2000-compatible expansion chassis. Has six Amiga slots and six to eight IBM slots. Supports autoconfigure, bus arbitration, and bus contention detection. Connects to either the A500 or A1000. \$495.00

*Bill's Boards, 9528 Miramar Road, Suite 181, San Diego, CA 92126, (619) 486-0908*

### Comports 8, RS-232 Communications Interface

Comports is an eight channel serial expander for the A2000 or A3000. It enables the computer to function as a true multitasking workstation supporting devices which work with RS-232 serial ports such as modems, laser discs, video equipment printers, tablets, etc. The communications compatibility list includes all programs which call the Amiga's Serial Device and other programs which use the board's advanced communication features. Upgrades to support full MIDI are in Beta-Test. Various breakout boxes/cabling arrangements are available. \$379.00

*Amiga Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*

**Please see display ad page 118.**

### Dual Serial Board

ASDG's DSB provides a complete expansion serial port solution including compatible EXEC and DOS drivers. The DSB can be used to drive most PostScript printers at 6 times their normal serial speed. The DSB is compatible with every serial communications program tested including AtalkIII, Access, VT100, Comm, and Whap. \$250.00

*ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585*

### Microshare MCS 1050

The MC5 1050 interface is an external device that converts the Amiga's centronics port signals into IEEE 488. No software is needed, this unit is fully transparent to the user. Now you can finally use that old Commodore pet printer or any other IEEE printer that was just sitting around. \$204.95 Canadian.

*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

### Multi Face Card

Adds two parallel ports and two serial ports to the Amiga 2000, 2500, and 3000. Runs real multitasking with all six Amiga ports. Comes with software and cables. \$349.00

*Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696*

## Parallel Port Adapters

These adapt the 1000 to 500/2000 parallel port and vice versa. Separate product for each conversion. AUS \$30.

*Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752*

## PrInterface

PrInterface is a cost-effective solution to the problem of where to connect a printer by adding a second centronics compatible parallel output port to the A500, A1000, or A2000 and redirecting all printer data bound for the Amiga's parallel port to the PrInterface port. No more cable swapping, switch throwing, or digitizing noise. When it's time to digitize, the digitizer software talks directly to the digitizer. When it's time to print, the system talks to the printer through PrInterface. More than just a switch, PrInterface supports full Amiga multitasking, allowing you to print while the Amiga's parallel port is in use. And PrInterface works through Preferences, assuring full compatibility with all printers supported by the system. \$99.95

*Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040*

## Serial Expander 2000

Adds an A1000-compatible serial port to the A2000. This product will be of interest to users who have upgraded from the A1000 to the A2000. It will allow them to use any of their existing serial devices designed for the A1000 (such as MIDI interface) on the A2000. \$19.95

*Golden Hawk Technology, 427-3 Amherst Street, Ste. 389, Nashua, NH 03063, (603) 424-0269*

## The Serial Solution

Contains all the features you need for serious multiport applications. The included software drivers are compatible with the standard Amiga devices and handlers. Contains one Amiga-compatible 25-pin serial port which accommodates specialized Amiga peripherals like MIDI interfaces. And one AT-compatible 9-pin serial port that will support non-Amiga peripherals, like laser printers and FAX machines. Supports MIDI and standard Baud rates. \$199.00

*Checkpoint Technologies, P.O. Box 2035, Manassas, VA 22110, (703) 330-5353*

## ◆ ◆ ◆ PRINTERS ◆ ◆ ◆

### CDI-IV Digital Film Recorder

Whether you need high quality 35mm slides, instant prints, overhead transparencies or even instant slides, the CDI-IV Digital Film Recorder offers true color capability for all your Amiga images, including IFF and HAM The CDI IV includes a 35mm camera, instant print camera, software and cables. Everything you need is right in the box. The CDI IV even has a batch processing mode for unattended imaging. \$1895.00

*American Liquid Light, Inc., 2341 W. 205th St. Ste.116, Torrance, CA 90501, (213) 618-0274*

### DeskJet

A 300 dpi monochrome ink jet printer. Print quality just short of laser quality. \$795.00

*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899, (619) 592-4676*

### DeskJet PLUS

An updated version of the DeskJet, offers 300 dpi monochrome, ink jet printing. This serial printer prints at 120 cps offering graphics at one to two minutes per page. The DeskJet PLUS offers better paper handling and faster processing than the original DeskJet. \$1495.00

*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899, (619) 592-4676*

### Enhanced Sharp JX-730 Printer Driver with palettes, Version 2.0

The Amiga printer driver is for use with the Sharp JX-730 color Ink-Jet Printer. The printed output can be varied from light to dark using the density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (i.e., blue

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on screen prints as blue on paper, not as purple). Four Workbench 1.3- and 2.0-compatible drivers are included on the disk with palettes and sample pictures. Price includes shipping and handling. \$45.00  
*GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229*

**Enhanced Tektronix ColorQuick Printer Driver with palettes or pictures, Version 1.01**  
 The Amiga printer driver is for use with the Tektronix ColorQuick Color Ink-jet Printer. The printed output can be varied from light to dark using density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (blue on screen prints as blue on paper, not purple). Four Workbench 1.2 and 2.0 compatible drivers are included on the disk with palettes and sample pictures. Price includes shipping and handling. \$59.95  
*GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229*

**Enhanced Xerox 4020 Printer Driver with palettes or pictures, Version 2.01**  
 The Amiga printer driver is for use with the Xerox 4020 Color Ink-jet Printer. The printed output can be varied from light to dark using density control in Preferences. Density 1 produces the lightest printout, while density 7 produces the darkest printout. This driver is internally color-corrected and no longer requires using color correction in Preferences. Colors are processed so that printed colors are better matched to screen colors (blue on screen prints as blue on paper, not purple). Three Workbench 1.2 and 2.0 compatible drivers are included on the disk with palettes and sample pictures. Price includes shipping and handling. \$35.00  
*GlassCanvas Productions, Inc., P.O. Box 6171, Boston, MA 02114, (617) 367-3229*

**KODAK SV6510 Driver**  
 The KODAK SV6510 is a 24 bit-per-pixel dye sublimation printer which creates prints measuring 4 x 5 inches in size. This driver completely integrates the KODAK SV6510 into Art Department Professional. Any image which can be loaded into or created within ADPro can be quickly sent to the SV6510. Requires ADPro and a KODAK SV6510 printer. \$250.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585*

**KX-P4420 Laser Printer**  
 The new KX-P4420 laser printer is a low-cost printing solution that fills the bill by combining price and performance, and represents one of the best values for the small business and home professional markets. It offers exceptional print quality, quiet operation, and speed. \$1395.00  
*Panasonic Communications & Systems Company, Two Panasonic Way, Secaucus, NJ 07094*

**LaserPrinter 4**  
 A four-page-per-minute laser printer which incorporates a RISC based processor for faster throughput speed. Offers full compatibility with the HP LaserJet IIP, both hardware and software. The LaserPrinter 4 has a 1MB standard memory, expandable up to 5MB. Comes bundled with Turbo25 font cartridge offering 151 fonts. Two-year limited warranty. \$1395.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**LaserPrinter 4 Starscript**  
 The LaserPrinter 4 Starscript is a four page-per-minute, PostScript-compatible laser printer, with parallel, RS-232C serial and AppleTalk interfaces. 2MB standard RAM, 35 resident outline fonts. RISC-based processor enables high-speed throughput of complex graphics. Two-year limited warranty. \$1995.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**MPS-1270 Ink Jet Printer**  
 Black and white quality ink jet printer, 160 characters per second output. \$299.00  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

**NX-1001 Multi-Font**  
 A 9-pin dot matrix printer offers a draft printing speed of 180 characters per second and a near-letter-quality speed up to 75 characters per second. Five resident fonts and convenient paper handling including paper parking. Two-year limited warranty. \$229.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**NX-1020 Rainbow**  
 A 9-pin dot matrix printer which prints out in seven colors. Draft printing speed up to 225 characters per second. Advanced features allow bi-directional printing, paper feeding from top, bottom, or rear. Extremely quiet and easy to use. Two-year limited warranty. \$299.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**NX-1500 Multi-Font**  
 A nine-pin dot matrix printer with high-speed printing, 180 cps in draft mode. Prints high-res text and graphics. Comes with four near-letter-quality fonts and IBM/Epson compatibility. Two-year limited warranty. \$499.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**NX-2415 Multi-Font**  
 A 24-pin dot matrix printer with blazing 200 cps speed in draft mode and up to 66.7 cps letter quality mode. Four resident letter-quality fonts, with full IBM/Epson compatibility. Forward and reverse micro-feeds let you position the paper exactly where you want it. Two-year limited warranty. \$599.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**NX-2420 Multi-Font**  
 The cost-effective NX-2420 is a 24-pin dot matrix printer with seven resident fonts. Offers high resolution graphics up to 360 dots per inch. Superior paper handling features including a convenient paper parking, rear and bottom feeding. Full two-year limited warranty. \$449.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**NX-2420 Rainbow**  
 A 24-pin dot matrix printer which offers seven color printing. High speed draft mode with speeds up to 250 cps. Letter quality mode with speeds up to 100 cps. High resolution graphics up to 360 dpi. Seven resident fonts. Limited two-year warranty. \$499.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**NX-2430 Multi-Font**  
 The NX-2430 is a 24-pin dot matrix printer with high-end features including front panel LCD display, font scalability, WYSIWYG capability, and auto emulation change. It is a standout value for small business and home office users. Two-year limited warranty. \$399.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**PaintJet Color Graphics Printer**  
 With a high-resolution 180 dpi, the PaintJet offers color printing for the Amiga. Near-Letter-Quality (NLQ) mode offers printing as fast as 167 cps. Amiga Workbench 1.3 supplies a printer driver. Supports all Amiga resolutions and modes. \$1395.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899, (619) 592-4676*

**PaintJet XL**  
 Similar to the PaintJet Color Graphics but offers printing three times as fast. Also allows single-sheet feed as well as tractor feed and paper sizes up to 11 x 17 inches. \$2495.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899, (619) 592-4676*

**Polaroid CI 3000 Digital Film Recorder**  
 True continuous tone 24-bit color film recorder with 2048 x 1366 pixel resolution on 35mm slides. Includes 35mm and Polaroid Pack Film camera backs and a 35mm instant slide film processor/mounting kit. For use with Art Department Professional & CI 3000 driver, 3MB min. \$4495.00  
*ASDG/Polaroid, 925 Stewart St., Madison, WI 53713, (608) 273-6585*

**SBP-10 Plus**  
 This heavy-duty 18-pin business printer boasts original+five copy multi-part forms handling, letter quality printing, draft print speeds up to 800 cps and a push/pull tractor with zero tear-off. The SBP-10 Plus front control panel features a 32-character LCD readout. A group switch stores up to 10 group settings of up to 40 combinations of mode, pitch, paper-feed, and more in memory. \$4495.00  
*Seikosha America Inc., 10 Industrial Avenue, Mahwah, NJ 07430, (800) 338-2609*

**StarJet SJ-48**  
 The StarJet SJ-48 is a highly-functional, multi-purpose, four-pound ink jet printer designed for the executive on the move. It very quietly prints virtual laser quality on almost any type job whether in an office, home, hotel room, airplane or train. Two-year limited warranty. \$499.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**XB-2420 Multi-font**  
 A 24-pin, heavy duty printer for high-quality, fast output applications. Four print modes, from High Speed Draft Mode, 375 cps, to super Letter-Quality Mode. Handles single-sheet and fanfold paper. Color printing option. Two-year limited warranty. \$749.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**XB-2425 Multi-Font**  
 A 24-pin, heavy duty, wide carriage printer for high-quality, fast output applications. Four print modes, from High Speed Draft Mode, 375 cps, to Super Letter Quality Mode. Handles single-sheet and fanfold paper. Color printing option. Two-year limited warranty. \$949.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**XR-1020 Multi-Font**  
 Industrial-strength printer able to print up to 420 cps. Three printing speeds, High Speed Draft, Draft and Near-Letter-Quality. Contains 16 resident fonts, simple pushbutton control panel and color option. Two-year limited warranty. \$549.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

**XR-1520 Multi-Font**  
 Wide carriage, industrial-strength printer able to print up to 420 cps. Three printing speeds, High Speed Draft, Draft, and Near-Letter-Quality. Contains 16 resident fonts, simple pushbutton control panel, and color option. Two-year limited warranty. \$699.00  
*Star Micronics America, Inc., 420 Lexington Ave., Ste. 2702, New York, NY 10170, (212) 986-6770*

## ◆ ◆ ◆ PRINTER/BUFFERS ◆ ◆ ◆

**Microshare MCS 8008/MCS 8004**  
 The MCS 8004 and the MCS 8008 are multi-use printer buffers and spooler combinations. They allow up to four or eight transparent sharing of a printer device even if the computers are of different makes. \$795.00 Canadian  
*Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553*

**PP-256K Printer Buffer**  
 256K Buffer. Frees the computer from time-consuming printing. Prints multiple copies without the computer. Cuts graphics printing time by 70% or more. 4KB/second throughput. LED indicator, reset function, bypass mode, and automatic memory sizing. One-year warranty. Available in 512K and 1MB versions also. \$149.95  
*Micro R & D, Div of Applied Technologies, Inc., 137 N. 7th Street, Loup City, NE 68853, (308) 745-1243*

**SA-10 EPROM Programmer**  
 Stand-alone programmer capable of programming the 2716 to 4MB devices. The SA-10 comes standard with 1MB (128KB) of memory, and can be upgraded to 8MB using 1MB DRAM. The SA-10 features a 4 x 20 character LCD, 20-key tactile keypad, RS232, and parallel in and out. The SA-10 can communicate with the Amiga using any standard ASCII terminal software via the serial port up to



115K baud. The printer-out port allows direct printing of data or macro configurations, or you can use the SA-10 as a printer buffer equal to the amount of installed DRAM. \$550.00  
*Needham's Electronics, 4539 Orange Grove Ave., Sacramento, CA 95841, (916) 924-8037*

## ♦ ♦ ♦ PRINTER/LASER ♦ ♦ ♦

### LaserJet IIP

Four-page per minute, low-cost laser printer. Extremely small footprint. \$1295.00  
*Hewlett-Packard Company, 16399 W. Bernardo Drive, San Diego, CA 92127-1899, (619) 592-4676*

### M.A.S.Terprint PS

This is the PostScript version of the page printer. It has 35 fonts and 2MB of RAM (optional 4MB). Additional PostScript font cartridges can be plugged into the printer. Includes Appletalk, Centronics, and Serial Interface. M.A.S.Terprint can be upgraded to M.A.S.Terprint PS anytime — let's you save up for PostScript. \$1999.00  
*M.A.S.T. Memory and Storage Technology, Inc., Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

### PC Laser 6000/PS

This versatile printer offers Hewlett-Packard's LaserJet Series II emulation. In PostScript mode, users can produce newsletters, brochures, presentation material, computer-aided design, and other highly formatted text and graphic output, and is compatible with many popular software packages. With its parallel, RS-232C serial and RS-422 (Appletalk) interfaces, the PC LASER 6000/PS is compatible with IBM personal computers and compatibles as well as with Apple and Macintosh computers. It prints full-page bit-mapped text and graphics at 300 dpi, and features 35 typefaces in 11 fonts for use in the PostScript mode. In HP mode, 24 standard HP fonts are resident on the printer and additional HP soft fonts can be downloaded. \$4495.00

*Ricoh Corporation, Five Dedrick Place, West Caldwell, NJ 07006, (201) 882-2000*

## ♦ ♦ ♦ PRINTER/INKS ♦ ♦ ♦

### Ink-Jet Ink

Ultra-Black ink in a monopack disposable Maxwell dispenser provides the user with a handy and very easy-to-use alternative. Available in two-pack and four-pack sets, or bundled with the other Jet Technology colors: magenta, cyan, and yellow. 5 ml cartridge: \$5.50; 60 ml bottle: \$40.00.  
*Jet Technology, 16 Pembroke Road, Weston, MA 02193, (617) 239-8383*

### Inky Dink

Ink-jet ink for the Xerox 4020 printer and Diablo C-150. Smooth flowing through your printer to reduce clogging. Half the price of the ink now being used. Four colors: cyan, magenta, black, and yellow. Call company for other available products.  
*Software Sensations, P.O. Box 2414, Beverly Hills, CA 90213, (213) 277-8272*

## ♦ ♦ ♦ SCANNERS & ♦ ♦ ♦ DIGITIZERS

### Aegis ScanMaster

ScanMaster image scanner captures 24-bit images at up to 300 DPI resolution, showing up to 16.7 million colors—or 256 shades of gray—using a reliable flatbed design large enough to handle documents up to 8.5 x 11.7 inches in size. ScanMaster comes with ImageMaster software, providing image-processing tools for adding special effects, enhancing, manipulating and saving images, including a facility for making professional 24-bit-16.7 million shade-CMY or CMYK color separations from any scanned image. \$1999.00  
*Oxxi/Aegis, 1339 E. 28th Street, Long Beach, CA 90806, (213) 427-1227*

### BarPro/B

High-tech industrial-quality bar code scanning wand (RS-232) with full software support: software to program the intelligent wand's internal features, software to print bar code labels (BarPro/A), and input handler program which lets the bar code wand scan label data directly into any Amiga software as if scanned label data were typed in on the keyboard. The input handler program makes the bar code scanning wand compatible with all existing Amiga software (SuperBase, spreadsheet, even CLI/Shell command entry via scanned labels). Scans Code39, Code93, Code25, Code128, Codabar, UPC, and EAN. Complete plug-it-in-and-go solution for all bar code data entry applications on Amigas. \$699.50  
*MegageM, 1903 Adria, Santa Maria, CA 93454, (805) 349-1104*  
**Please see display ad page 17.**

### Digi-View Gold 4.0

NewTek's new dynamic palette control allows all 4096 colors to be displayed in high resolution with overscan, thus providing sharper HAM images and virtually eliminating HAM fringing. The LBJ technology allows the user to selectively filter background noise from the video signal for sharper, clearer images. Digi-View 4.0 supports ARexx. New Digi-Port feature allows captured images to be displayed directly into Digi-Paint3, and resolutions may be changed from inside Digi-View 4.0. 24-bit RGB files may be loaded and saved for further image processing or exporting to typesetters or frame buffers. Many more enhancements have been added to Digi-View 4.0, allowing you to create images with ease. \$199.95  
*NewTek, 215 E. 8th St., Topeka, KS 66603, (913) 354-1146*

### EPSON ES-300C Driver

This driver module fully integrates the EPSON ES-300C flatbed color scanner into the Art Department Professional. The driver offers a high resolution gray scale preview mode—which is switchable from inches to centimeters—with full WYSIWYG operation. The driver allows scans at up to 600 dots-per-inch, the maximum supported by the scanner. Requires Art Department Professional and an EPSON ES-300C color scanner. Stand alone and Art Department Professional loader versions are included. \$200.00  
*ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585*

### Geniscan Handy Scanner

Hand Scanner with 400 dpi resolution and 4 1/8 inch width. Adjustable switches for brightness and contrast. Software compatible with most leading software packages. \$299.95  
*Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110*

### Handiscan

400 dpi disk top scanner for the complete line of Amiga computers up to 16 grey levels virtual page support 3 optional dithering patterns. \$349.95  
*Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690*

### Scanman Model 32 V2.1

Provides an improved user interface, and it allows users to stitch together multiple scans. It has scanner calibration which matches gray values between pieces of a merged scan, and features new and improved image-editing tools. \$499.00  
*LOGITECH, INC., 6505 Kaiser Drive, Fremont, CA 94555, (415) 795-8500*

### Sharp JX-300

Scans originals up to 8.5 x 11 with a 300 dpi resolution. This 24-bit color scanner is intended for most business and some high-end applications. For use with Professional ScanLab. \$2345.00  
*ASDG/Sharp Electronics, 925 Stewart St., Madison, WI 53713, (608) 273-6585*

### Sharp JX-450

Sharp's color scanner for desktop publishing, slide creation, and other areas demanding high-end image processing. Easy operating, high-quality desktop full color scanner. Provides the precision quality scanning of a console from a desktop. 300 dpi resolution capacity ensures accurate, detailed im-

ages. Scanning of slides and transparencies available with optional mirror. Scanning capacity up to 11 x 17. For use with Professional ScanLab. \$5995.00  
*ASDG/Sharp Electronics, 925 Stewart St., Madison, WI 53713, (608) 273-6585*

### Sharp JX-600

Sharp's color scanner for desktop publishing, slide creation, and other areas demanding high-end image processing. Easy operating, high-quality desktop full color scanner. Provides the precision quality scanning of a console from a desktop. 600 dpi resolution capacity ensures accurate, detailed images. Scanning of slides and transparencies available with optional mirror. Scanning capacity up to 11 x 17. For use with Professional ScanLab. \$14995.00  
*ASDG/Sharp Electronics, 925 Stewart St., Madison, WI 53713, (608) 273-6585*

## ♦ ♦ SCIENTIFIC DIGITIZERS ♦ ♦ AND CONTROLLERS

### AQ4882A

The AQ4882A is a full function IEEE-488 (HPIB & GPIB) adapter for the A500, A1000, and A2000 computers. It connects to the Amiga's parallel port and performs all talker, listener, and controller functions. This allows the Amiga to control up to 14 devices, or act as a device in a larger system. Includes drivers for AmigaBASIC, C, and Assembly languages. \$295.00  
*A.D.I., 3514 Olive Street, Huntington Park, CA 90255, (213) 581-1188*

### Ameega\_GPIB

Ameega\_GPIB is a General Purpose Interface Bus card for the Amiga series. This half-length expansion card performs all of the talker, listener, and controller functions of the GPIB (IEEE-488) protocol. One Amiga can simultaneously control up to 14 of the thousands of GPIB devices on the market. Included is the Command Function Library (ACDA GPIB CFL) which is Manx and Lattice compatible, test application programs and 'C' driver. Now you can control GPIB devices in an intuitive and friendly way using screen buttons, menus, and the mouse. See Amazing Computing (Vol 4.11, 1989) for review. \$495.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722*

### Data Acquisition Unit

Turns your Amiga into a sophisticated digital storage scope. Measure and display inputs from millivolts to 50 volts with 1 MHz bandwidth. Display events from microseconds to hours. \$179.95  
*Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110*

### DataStation

The DataStation features a 16 channel 12-plexed bit multiplexed analog(D/A) converters, 32 Digital Input-Output(DIO) channels, and 3 independent counter-timer channels. DataStation also features a highly stable instrumentation amplifier with programmable gain (optional), multiple triggering sources, and on-board digital waveform generation. Data acquisition and process control projects are a snap to develop with the DataStation Data Acquisition System (DAS) software and 'C' source code. Sample application programs and sources are included for each of the DataStation functions. The DataStation includes complete documentation. See Amazing Computing (Vol. 4.11, 1989) for review. Configurations from \$475.00 to \$1450.00  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722*

### DigiScope Plus

A digital storage oscilloscope emulator that works with DataStation and parallel-port digitizers. It has 16 independently controlled waveform buffers, a digital signal processing (DSP) package, a Fast Fourier Transform (FFT) package, and a Digital Filter Design package (option). \$159.95, \$179.95 (with Filters option)  
*ACDA Corporation, 220 Belle Meade Ave., Setauket, NY 11733, (516) 689-7722*

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## MW-201

General purpose INPUT/OUTPUT card with RS-232 interface. Digitizes 16 analog inputs, provides 14 high-current digital outputs, and one analog output. Uses 6511Q microprocessor and built-in intelligent user interface. \$365.00  
Electronic Innovations, 3107 W. Hampden Ave., Englewood, CO 80110, (303) 789-0424

## ezAD

Low cost system for monitoring events with your Amiga. Measure, graphically display, and record temperature, pressure, light intensity, etc. No separate power supply required. Connects to second gameport. Does not interfere with parallel or serial port operation. Multitasking software runs from Workbench. Complete hardware and software systems starting at \$79.90 \$79.90  
Boone Technologies, P.O. Box 15052, Richmond, VA 23227, (804) 264-0262

## ◆◆ SOUND AND MUSIC ◆◆ HARDWARE/DIGITIZERS

### AMAS

AMAS is a full-featured 8-bit stereo audio digitizer complete with a full implementation MIDI interface. The digitizer accepts mono or stereo inputs via its line input sockets and is equipped with an extra microphone input socket for direct vocal signal input. \$199.95  
MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

### Aegis SoundMaster

Aegis SoundMaster is a sound digitizer that can range from 1 to 56K. The unit comes with left and right input jacks, plus two microphone inputs. A slider bar lets you set sampling volume, while a red overdrive light warns you when input volume is too high. For voice digitizing, SoundMaster has a built-in dynamic microphone and green MIC ON

light. Along with a three-foot parallel port connector cable, SoundMaster comes with Aegis AudioMaster III audio digitizing and manipulation software. \$189.95  
Oxxi/Aegis, 1339 E. 22nd Street, Long Beach, CA 90806, (213) 427-1227

### Audio Digitizer

High-quality parallel port digitizer with mic/line level switch, gain, and variable filter controls. Input via two RCA jacks. AUS \$49.95 including P.D. Software.  
Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752

### DIGI-SOUND Stereo Audio Digitizer

DIGI-SOUND stereo audio digitizer features left and right line inputs and gain controls and a stereo microphone jack. DIGI-SOUND is perfect for use with Audiomaster and most other commercial and public domain sampling software on A500, A2000, A3000, and CDTV. \$59.95  
Circuits and Software, 1052 Estates Court, Stockbridge, GA 30281, (404) 389-3875

### FutureSound

Audio digitizer with microphone and editing software. \$175.00  
Applied Visions, 1 Kendall Square Ste. 2200, Cambridge, MA 02139, (617) 494-5417

### Perfect Sound 3 Adaptor

Adaptor that allows Perfect Sound 3 to be used on an Amiga 1000. \$12.95  
SunRize Industries, 2959 S. Winchester Blvd. 204, Campbell, CA 95008, (408) 374-4962

### Perfect Sound 3.0

Use your stereo or a microphone to record your sound in mono or stereo, then use the sound editor to modify the sound. Delete, insert, and play them backwards, faster or slower, graph or flip record sound. Comes with a library of pre-recorded sounds

and C source code. Supports IFF file format and instruments. New version 3.0 includes new software and hardware. English, German, and French versions available. \$99.95  
SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008, (408) 374-4962

### Pro Stereo Sound Sampler

High-quality stereo sound at a realistic price. Real-time level meters. Adjustable trigger level. Hi-res sample editing. Variable sample rate and playback. \$99.95  
Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110

### SoundScape Sound Sampler

Digitize microphone/audio input to produce sampled sounds in Mimetics or IFF format. \$99.95  
Mimetics Corporation, P.O. Box 1560, Cupertino, CA 95015, (408) 741-0117

### Studio 16 w/ AD1012

A 12-bit sampler card includes Studio 16 software, audio in/out, microprocessor, adjustable low pass filters, SMPTE time code reader. Sampling rates of up to 44.1 kHz, signal-to-noise ratio of a professional VTR. Perfect for editing video sound tracks. Software allows recording direct to hard disk synchronized with time code, and special effects. \$495.00  
SunRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008, (408) 374-4962

### Studio 16 w/ AD1016

A 16-bit sampler card that includes Studio 16 software, a 56001 DSP, stereo audio in/out, eight times oversampling digital filters, digital I/O for DAT or CD hookup, MIDI I/O and SMPTE In. With the signal-to-noise ratio of a CD, the AD1016 puts a modern digital recording studio in your Amiga. Studio 16 software allows direct recording to hard disk synchronized to time code, and special effects. \$unRize Industries, 2959 S. Winchester Blvd. Ste. 204, Campbell, CA 95008, (408) 374-4962

## ◆◆ SOUND AND MUSIC ◆◆ HARDWARE/GENERAL

### AirLink 2.3

The AirLink is connected to the second mouse port and contains an infrared receiver and transmitter. Make pop-up AIR (Amiga Infra Red) screen duplicates of your favorite IR remote controllers. Output for remote-wired IR LEDs. Includes an AIR Window library of LDs, CDs, VCRs, etc. Also includes AmigaVision, Bars & Pipes, HyperBook, and ARExx examples. Trigger IR commands from the mouse, menus, hotkeys, timer, CLI, ARExx, MIDI, serial, or the parallel port. \$50.00  
Geodesic Publications, P.O. Box 956068, Duluth, GA 30136, (404) 822-0566

### Kawai FunLab Music System

A 61-note keyboard with full-size keys, built in stereo speakers, 100 different studio sampled instrument sounds, 100 accompanying rhythms, programmable One Finger Ad Lib feature. It comes with Steinberg FunLAB software, allowing overdubbing and multitrack recording, with music notation display, song lyric display, jukebox feature, optional 'quantize' or error correct, and three demonstration songs. Compact MIDI interface which fits directly into your Amiga serial port, two MIDI cables for connecting the Kawai keyboard to the MIDI interface.

Kawai America Corp., 2055 E. University Drive, P.O. Box 9045, Compton, CA 90224, (213) 631-1771

### MidiA Musicbox

The Musicbox is a 26-voice synthesizer designed to be used as part of a computer-based music system. It matches the color of the computer and easily fits under a monitor. The Musicbox has three synthesis 'engines': FM synthesis—12 voices, Analog synthesis six voices, and PCM Sample Playback eight voices. There are 480 FM and 480 Analog patches, and 37 percussion samples. Half of the FM and Analog patches are editable through software. The Musicbox instantaneously allocates voices to channels. The 32 Doubles allow the user to combine any to patches at any pitch and velocity offset and treat

Do you feel like the  
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#### From the Amiga:

- Access MS-DOS formatted media using the same features as our five star rated product **CrossDOS™**.
- Access Bridgeboard-created virtual hard drive partitions (such as MakeAB and JLink files).

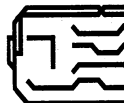


Suggested List: **\$79<sup>95</sup>**

CrossDOS owner upgrades available.

If you need to read and write MS-DOS® disks but do not have a Bridgeboard, consider **CrossDOS™**. It allows the Amiga to directly read and write 360K, 720K and 1.44M\* MS-DOS® floppy disks. It can also access most MS-DOS® formatted hard disks. \*Requires additional drive hardware.

**CrossDOS™**  
is only:  
**\$39<sup>95</sup>**



**CONSULTRON**  
11280 Parkview Plymouth, MI 48170 Technical Support (313) 459-7271

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Circle 105 on Reader Service card.

it as a single patch. The Musicbox stores four drum kits or mapping of external sounds. The built-in computer interface eliminates the need for an external MIDI interface. \$995.00  
**Marquis Music**, 144 Front St. W Ste. 460, Toronto, Ont., Canada M5J 2L7, (416) 595-5498

**NES, Inc. MI-001 MIDI INTERFACE UNIT**  
 Standard MIDI interface with four MIDI OUT, one IN, and one THRU. It comes with its own power supply. \$94.99  
**N.E.S. Corp.**, 4660 SW Flower Place, Portland, OR 97221, (503) 246-9311

**S.A.M. SMPTE Time Code Reader and MIDI Interface**  
 Features SMPTE to MIDI Time Code Converter with SMPTE in and SMPTE out. Does not tie up Amiga. Comes with own microcontroller to enable the Amiga to continue multitasking. Professional quality features. Works with any MIDI software that supports MYC. One MIDI in and four MIDI out. Serial through-can be controlled by hardware or software. Dedicated microcontroller chip reduces Amiga overhead. 24, 25, 30 and 30 drop frame. Reads and writes Time Code both forward and backward. Handles tape speeds. 25% normal speed to 2x (+20%) normal speed. Features extensive error correction. \$199.00  
**M.A.S.T. Memory and Storage Technology, Inc.**, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## ❖ ❖ SOUND AND MUSIC ❖ ❖ HARDWARE MIDI INTERFACES

**AudioLink™**  
 AudioLink™ is a professional 16-bit linear stereo audio processor that boasts 16 voices (8 in stereo), sound sampling rates up to 48 kHz in stereo (96 kHz 2x over sampling in mono), up to 16 megs on-board. Plus, 16 multi-outs (D/A convertor on each out), a S/PDIF interface, MIDI, and open slot for Direct-to-Disk Transfer Card. AudioLink™ comes bundled with sound editing software with features such as Realtime Playback, Crossfading, and Cut, Copy, and Paste between voices. Invert, Reverse, Looping and Variable Left and Right Gain. Saves in multiple formats such as AIFF and SAMP. For all models of the Amiga. Availability TBA. \$1295.00  
**Beta Unlimited**, 87 Summit Street, Brooklyn, NY 11231, (718) 852-8646

**Deluxe MIDI INTERFACE for the AMIGA 500/1000/2000/3000**  
 Provides input, thru, and two switchable thru/outs for maximum flexibility. Comes with six-foot serial cable and RS232 pass-through. Impact-resistant beige case and cable matches AMIGA's color closely. \$89.00  
**Pro-Tronic Systems Ltd.**, 720 -6th Street, #227, New Westminster, B.C., Canada V3L 3C5, (604) 290-1631

**ECE MIDI 1000**  
 Musical instrument digital interface. Plugs into the serial port, communicates with MIDI-compatible musical instruments and equipment. Includes RS-232 bypass port. \$64.95  
**Amazing Computers**, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612, (813) 977-6511

**ECE MIDI 500/2000**  
 Musical Instrument Digital Interface. Plugs into the serial port, communicates with MIDI-compatible musical instruments and equipment. Includes RS-232 bypass port. \$64.95  
**Amazing Computers**, 1441 E. Fletcher Ave. Ste. 1450, Tampa, FL 33612, (813) 977-6511

**MIDI 1000**  
 A1000 MIDI interface. MIDI IN and OUT. Connects to serial port. \$49.95  
**Mimetics Corporation**, P.O. Box 1560, Cupertino, CA 95015, (408) 741-0117

**MIDI 500/2000**  
 A500/2000 MIDI interface. MIDI IN and OUT. Connects to serial port. \$49.95  
**Mimetics Corporation**, P.O. Box 1560, Cupertino, CA 95015, (408) 741-0117

**◆ MIDI Connector**  
 Enables the Amiga 500 to send and receive MIDI data from MIDI-equipped instruments. There is one MIDI In port, two MIDI Out ports, and one MIDI Out/Thru port. Also comes with a switch for serial pass thru. \$69.95  
**Disc Company, The**, 11040 Santa Monica Blvd, Ste. 300, Los Angeles, CA 90025, (213) 478-6767

**MIDI Gold 500**  
 Musical instrument digital interface (MIDI) for the A500. Features: MIDI IN; 2 MIDI OUT's; MIDI OUT/THRU (switch-selectable); Serial pass-through allows other serial devices to be connected at the same time (switch-selectable MIDI or serial operation). Compact size (4.3 x 2.3) allows the interface to be connected directly to serial port (no cable required). All metal construction. Two-year warranty. \$79.95  
**Golden Hawk Technology**, 427-3 Amherst Street, Ste. 389, Nashua, NH 03063, (603) 424-0269

**MIDI Gold Insider**  
 Musical instrument digital interface (MIDI) for the A2000. Mounts internally without using a card slot. Features: MIDI IN; 2 MIDI OUT's; MIDI THRU; Serial pass-through allows other serial devices to be connected at the same time (switch-selectable MIDI or serial operation). All metal construction. Two-year warranty. \$89.95  
**Golden Hawk Technology**, 427-3 Amherst Street, Ste. 389, Nashua, NH 03063, (603) 424-0269

**MIDI Interface**  
 Plug into your serial port and use your MIDI keyboard with our Quartet software or your own. Has MIDI in-out cables. \$59.95  
**MichTron**, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

**◆ MIDI Retrofit Kits (Custom)**  
 A line of MIDI interfaces for 'the other end' allowing you to connect your computer to anything from door chimes to pedalboards to accordions to pipe organs. Call or write for more details.  
**Technical Magic**, 26090-62 Robertson Road, Nepean, Ontario, Canada K2H 9R0, (613) 596-9114

**MIDI Transport**  
 The MIDI Transport™ is Passport's professional MIDI interface and synchronizer. The newly improved unit syncs solidly to SMPTE or FSK signals on tape. The unit will operate both as a MIDI interface or as a stand alone MIDI/SMPTE synchronizer. The MIDI Transport is designed in a professional recording environment with multiple MIDI instruments and tape. It can sync to all SMPTE formats or its own variable rate FSK signal, and is compatible with Jim Cooper's PPS-1. Its dual MIDI ports and multiple MIDI outs make it ideal for controlling multiple MIDI devices. The MIDI Transport will run with most existing MIDI software packages. For SMPTE sync you can use software such as PRO 4™, Master Tracks Pro™, and QSheet™ that incorporate MIDI Time Code. MIDI Time Code is a new MIDI innovation that lets you express SMPTE information a MIDI messages. It will also support most other software products that sync via MIDI Song Pointer and Direct Time Lock. \$459.00  
**Passport Designs, Inc.**, 625 Miramontes Street, Half Moon Bay, CA 94019, (415) 726-0280

**● MIDI for the Amiga 2000**  
 Standard MIDI IN, 2 MIDI OUT, and MIDI THRU for the A2000. Plugs into RS 232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
**Skyles Electric Works**, 231E South Whisman Road, Mountain View, CA 94041, (800) 227-9998

**● MIDI for the Amiga 3000**  
 Standard MIDI IN, 2 MIDI OUT, and MIDI THRU plugs into RS-232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
**Skyles Electric Works**, 231E South Whisman Road, Mountain View, CA 94041, (800) 227-9998

**● MIDI for the Amiga 500**  
 Standard MIDI IN, 2 MIDI OUT, and MIDI THRU for the A500. Plugs into RS 232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
**Skyles Electric Works**, 231E South Whisman Road, Mountain View, CA 94041, (800) 227-9998

**● MIDI for the Amiga1000**  
 Standard MIDI IN, 2 MIDI OUT, and MIDI THRU plugs into RS-232 port. NTSC, PAL, AmigaDOS 2.0 compatible. \$49.95  
**Skyles Electric Works**, 231E South Whisman Road, Mountain View, CA 94041, (800) 227-9998

**Midimaster**  
 MIDI Interface for all Amigas. Compatible with all leading software. Has MIDI IN, MIDI Thru, and 3 MIDI Out ports. Fully opto-isolated. \$59.95  
**Datel Computers**, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110

**Model A Interface**  
 MIDI interface for the A500 and A2000. It has one IN, two OUTS, and serial port THRU. \$75.00  
**Dr. T's Music Software, Inc.**, 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

**Pro-MIDI INTERFACE for the AMIGA 500/1000/2000/3000**  
 Our Pro-MIDI INTERFACE is designed for high performance and maximum reliability with an IN, THRU, two OUTS, and a six-foot serial cable. Impact-resistant beige case and cable matches AMIGA's color closely. Currently used in many professional and commercial locations. \$64.00  
**Pro-Tronic Systems Ltd.**, 720 -6th Street, #227, New Westminster, B.C., Canada V3L 3C5, (604) 290-1631

**Trax**  
 Trax is a complete personal MIDI recording studio on a disk. With Trax, you can compose, edit, and playback multi-track recordings of any music imaginable, in your office, classroom, or living room. Trax can get you started in the world of MIDI in a clear and organized way. Its Track Sheet lets you record up to 64 different tracks, live or step by step. Compose and arrange music for anything from a solo performance to a complete orchestra. Add music to multimedia performances or for your own personal use. MIDI is the 'Musical Instrument Digital Interface'. In combination with MIDI instruments and controllers and your personal computer, Trax offers you a whole new world of music making. If you ever wanted to record songs, or be a music producer, now is your chance. Trax is as easy to operate as a tape recorder but offers so much more. On-screen play, record, fast forward, and rewind controls move you through the song. On-screen graphics display song, track, and note information. View the song and see the different parts in time. Zoom in and out to edit. Trax supports Standard MIDI Files and Master Tracks Pro™ files. These file formats provide a wide range of compatibility with other music software programs and products. Trax is compatible with virtually any MIDI synthesizer or other MIDI gear. \$99.95  
**Passport Designs, Inc.**, 625 Miramontes Street, Half Moon Bay, CA 94019, (415) 726-0280

## ❖ ❖ SOUND AND MUSIC ❖ ❖ HARDWARE/SMPTE

**The Phantom**  
 The Phantom consists of a hardware module that plugs into the computer's serial port, and software to 'connect' the hardware to other supported programs like KCS and Bars&Pipes. The hardware provides sync input and output jacks, as well as an auxiliary MIDI output which helps alleviate MIDI data logjams. The sync jacks can read and write all standard SMPTE formats including 24, 25, 30, and 30 non-drop frame. \$350.00  
**Dr. T's Music Software, Inc.**, 100 Crescent Rd., Needham, MA 02194, (617) 455-1454

## ❖ ❖ SYSTEM EXPANSION & EXPANSION CHASSIS

**Black Workstation A500**  
 Replaces the A500 cover, comes with detachable keyboard housing and cables. Gives space on top and on left side for expansions. No soldering. \$320.00  
**Pre'spect Technics Inc.**, P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

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# Miscellaneous Hardware

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## Bodega Bay

Modular expansion console for the Amiga 500. Provides 4, 100-pin Borro II slots, 3 overlapping IBM XT/AT slots, 3 internal drive bays, and a high wattage internal power supply. Interface with A500 is fully buffered and terminated to assure compatibility. Internal fan cools both computer and console. Integrates existing range of A2000 cards and external peripherals into a single attractive unit. \$429.95  
California Access, 130 Knowles Drive, Los Gatos, CA 95030-1832, (408) 378-0340

## Detachable Keyboard A500

Case to use the A500 keyboard outside the computer. Comes with one flat and one spiral cable. Ideal to build for the Amiga 500 in any PC/AT Tower. No soldering. \$98.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

## EXP-1000

1MB, internal RAM board for the A500, w/1MB. \$199.00  
Progressive Peripherals & Software, 464 Kalamath St., Denver, CO 80204, (303) 825-4144  
Please see display ad page B.

## Impact XC External Case

GVP external hard drive case allows room for two 5.25-inch, half-height hard drives. Includes internal power supply, mounting hardware and SCSI extension cable. \$249.00  
Great Valley Products, 600 Clark Avenue, King of Prussia, PA 19406, (215) 337-8770  
Please see display ad page A.

## Kickstart Swap Board

Small add-in board allowing switching between two Kickstart ROMs. Switch can be mounted anywhere on case. System requirements: A500, A2000. AUS \$30.  
Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752

## Kickstart in ROM

Modification which includes four EPROMS—we can use any Kickstart you provide, allows booting directly from ROM. Also adds 256K to available memory. AUS \$70 in kit form.  
Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752

## Meta4/500 Memory Expansion Chassis

Meta4/500 is available as a RAM-only expansion chassis for A500 users. This configuration places a Meta4 board in a Trumpcard 500 chassis allowing the user to add memory to the system without a hard disk drive and Trumpcard controller installed. A second slot is included for later installation of a Trumpcard disk controller and a hard disk drive if desired. Configurations are 512K, 1MB, 2MB, and 4MB. \$269.95  
Interactive Video Systems, 7245 Garden Grove Blvd. Ste. E, Garden Grove, CA 92641, (714) 890-7040

## MultiFunction Module

Daughterboard for the StarBoard2. Supports Motorola 68881 Math Chip as an I/O device. Provides battery-backed real-time clock; parity checking logic; and Sticky Disk hardware-protected memory disk \$90.00 and up. \$89.00  
MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081, (214) 437-5330

## Naked

Bare bone expansion port connector for A500 and A1000 which expand the computer to one true A2000 Zorro II slot. Allows one to use some well-known SCSI interfaces from A2000. \$79.00  
Pre'spect Technics Inc., P.O. Box 53, Rte. de Lotbiniere, Dorion, Quebec, Canada J7V 2K0, (514) 944-9696

## Phoenix Board

Replacement motherboard for the Amiga 1000, with 2MB onboard RAM (1MB Chip), 1MB Agnus, A2000 Expansion Slot, A2000 Video Slot, AutoBooting SCSI port and software, Kickstart Swap Switch, Kickstart V1.3 fitted with sockets for up to four Kickstarts on the motherboard (including V2.0), full ECS support, floppy drive swap switch, 68881/882 socket. Optional 8MB internal RAM board, 52MB Quantum hard drive mounted inside the original case. PAL or NTSC versions available. AUS \$945.00 complete. No soldering required to fit. Phone, fax, or write for more information.  
Phoenix Microtechnologies Pty. Ltd., 18 Hampton Road, Keswick, South Australia 5035, (011) 618-293-8752

## Rejuvenator

A replacement daughter board for the A1000 which upgrades it to take advantage of either the 1MB or 2MB ECS Agnus as well as the ECS Denise, 2.0 ROM, and an A2000 compatible video port. Also adds battery backed-up clock. Requires 1MB or 2MB of memory, depending upon version of Agnus. NTSC/PAL compatible. 1MB, \$419.95; 2MB, \$439.95.  
Expert Services, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690

## SubSystem/SCSI

An external chassis and power supply for all Advanced Storage Systems' high performance SCSI peripherals. The external chassis accommodates one full-height or two half-height SCSI devices. The SubSystem/SCSI provides the flexibility to easily share SCSI peripherals with other computers. The SubSystem/SCSI includes a durable chassis, 60 watt power supply, internal wiring for 2 SCSI devices, and a cable to connect it to the 25 pin external connector on the Nexus HardCard/SCSI/Memory card. \$225.00  
Advanced Storage Systems, (div. of Preferred Tech., Inc.), 14540 E. Beltwood Pkwy, Dallas, TX 75244, (214) 702-9191

## The Bomac Tower.

A rugged, all metal floor mounted tower enclosure designed to house A2000 computers. No permanent electrical or mechanical modifications to the original unit are required for installation. External front access to three 5.25-inch and five 3.5-inch drives. Features include front mounted AC line and auxiliary power supply switches, power-on lamp, 3 user configurable indicator LEDs, full side/top access, and rear mounted mouse/keyboard sockets. Accepts second power supply. \$319.95  
BOMAC, 612 Webster St., Bay City, MI 48708, (517) 893-3848

## ToolBox 500

This three-slot expansion card cage for the A500 allows you to use most A2000 cards on your Amiga. It is designed to accept and power an 8MB memory board, SCSI hard card and the Bridgecard. All cards can then be used in an A2000. The ToolBox features room and brackets for a 5.25-inch drive, mounting for an optional fan, 40-watt cool running switching power supply, bus pass through, front panel hard drive activity and power light and on/off switch. \$279.95  
Expansion Systems, 44862 Osgood Road, Fremont, CA 94539, (510) 656-2890

## ◆ Xpander-Built-Chassis

Made to order expansion chassis. Houses expansion bus connector to expand an A500 or A1000 to memory or harddrive expansion as CBM's A2091 harddrive with memory. Takes A2000 format cards with a low cost solution in adding to your A1000 or A500. \$169.00  
CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

## ◆ ◆ ◆ TRANSPUTING ◆ ◆ ◆

### Megalink 01 Transputer Board

Very flexible RAM configuration (from 256K to 32MB). You can upgrade the RAM step by step according to your own personal needs. Gives you up to four transputers, each with up to 4 MB RAM and up to 60 MIPS/9MFLOPS. 1 to 4 MB with/without Link-Interface. 3699 to 6999 Duetschemarks.  
Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

### Megalink 02 Video Transputer Board

Comes with one T800 (20, 25, or 30 MHz and 1 to 8 MB) and up to 2 MB Video RAM gives you all the colors needed for computer graphics. 800 x 600 pixels 50 Hz non-interlaced with 16.7 million colors IFF adapter and driver for popular ray-tracing packages available now! 1 MB RAM and 1 MB Video RAM. 6499 Duetschemarks.  
Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

### Megalink 03 Transputer Board

Very flexible RAM configuration (from 256K to 32MB). You can upgrade the RAM step by step according to your own personal needs. Includes one T800 Transputer board. 1 to 4 MB with/without Link-Interface. 3699 to 6999 Duetschemarks.  
Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517

## ◆ ◆ ◆ MISCELLANEOUS ◆ ◆ ◆

### ARM-1000

The ARM-1000 is a pass-through device which can be fitted with both 1.3 and 2.0 KickStart ROMs allowing Amiga 1000 owners to boot under either operating systems. Additionally, with a simple hardware modification, users can also gain an extra 256K of system RAM that would otherwise be unavailable. One-year warranty. Price is \$114.00 Canadian.  
Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553

### Action Replay

A utility cartridge for the Amiga 500. Action Replay plugs into your expansion port and allows you to simply freeze just about any program. The program in memory can then simply be saved to disk. Use the special infinite life/fuel/ammo generator for most any game. A powerful machine code freezer monitor with many other features. \$99.00  
Coast To Coast Technologies, 1855 W. S.R. 434 #208, Longwood, FL 32750, (407) 767-0779

### BIGFOOT 150 Power Supply

The ultimate Amiga 500 power supply. Dual switching, fan cooled, 150 watt. Provides five additional hard/floppy connections. Accepts AC input voltages from 90-132 or 180-269 volts at frequencies from 47 to 63 Hz. FCC, UL and C.S.A. approved. 1-year warranty. \$129.00  
Micro R & D, Div of Applied Technologies, Inc., 137 N. 7th Street, Loup City, NE 68853, (308) 745-1243

### Blinky™ SCSI device monitor

Monitors SCSI communications bus and tells you when your Amiga talks to hard drive, tape back-up system, Bernoulli box, or any SCSI device hooked to computer. Also tells you when conversations take place between various devices on the SCSI bus. LED indicators not only let you know which of your SCSI devices are communicating, but also when they are active. \$74.95  
CSA/Computer System Assoc., 7564 Trade St., San Diego, CA 92121, (619) 566-3911

### ◆◆ CODESAFE PLUG for the Amiga

CODESAFE PLUG for the Amiga is designed to protect software from being copied. The plug connects to the Amiga's parallel port leading to the printer. The plug is totally transparent, both to the end user and to the printer. The software that is included will totally avoid any operation of the program when the plug is disconnected. Includes serial numbering, demo mode and a secret code. Runs on any Amiga with Kickstart 1.3 or later. \$220.00 for every ten units.  
HarmonySoft, 691 Jabotinsky Street, Givatayim, Israel 53319, (011) 972-331-5967

### Eprommer

Eprom programmer for 2716 through 27512, 27513, 27011 for standard, A, and CMOS parts. You can read proms as well as save to disk. \$149.95  
Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110

### HD-150

Replacement power supply for the A500 features 150-watt power supply, short-circuit protection, internally mounted fuse, on/off switch, and a full one-year warranty. \$129.95  
Computers, Etc!, 4521-A Bee Ridge Road, Sarasota, FL 33583, (813) 377-1121

### HD-150 DL

Replacement power supply for the A500 features 150-watt power supply, short-circuit protection, internally mounted fuse, on/off switch, three switched a/c accessory outlets with their own fuses, internal cooling fan, and a 5-pin external connector. The HD-150 DL also comes with a full one-year warranty. \$179.95  
Computers, Etc!, 4521-A Bee Ridge Road, Sarasota, FL 33583, (813) 377-1121

### ◆ HSC Series 105mm B/W Hand Scanner

HSC-M-B for the Amiga supports 105mm line image sensor with 105mm scanning width. Supports line density selector switch for 100-400 DPI operation. Supports B/W tone, 6 x 6 dize halftone, 32 graduations.  
CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (800) 798-2497

### ISOBAR® Surge Suppressor, IB6-GS

The IB6-GS Surge Suppressor is UL listed for UL1449 (330 Volt-let-through) and UL 1283 (electromagnetic filter). Six outlets divided into 3 isolated filter banks prevent connected equipment from interacting with each other, while "Cascade Circuitry" allows you to choose the level of protection needed.

Features a rugged metal case, 6' line cord, circuit breaker, and illuminated on/off switch. Lifetime warranty covers unit and equipment connected to it. \$99.95

Tripp Lite, 500 N. Orleans, Chicago, IL 60610-4188, (312) 329-1777

## ◆ KODAK XL 7700 Driver

The Kodak XL 7700 delivers 24-bit plane color at 200 dots-per-inch over an 11 x 11 inch area. This driver software automatically performs all scaling and color separation functions required by the printer. To make full use of this printer you may need as much as 12MB of available disk space. Requires ASDG GPIB interface board. With Interface Board, \$1500. If you already have one, you may order the software only for \$1000.

ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

## Keyboard Adapter

Plug adapter which allows the use of an A2000 keyboard on the A1000. \$24.95  
Advanced Integration Research, 3006 North Main Street, Logan, UT 84321, (801) 752-2501

## Light Writer Overhead Projection System

Overhead projection system that includes stylus-driven pad for overwriting/enhancing projected video. Ideal for corporate training and educational settings. Call for information.

Mr. Horan's Computer Lab, 12338 Shelbyville Road, Louisville, KY 40243, (800) 274-8446

## MW-738 A500 Power Supply

Advanced dual switching design isolates the 110V AC from the computer with a heavy-duty transformer providing high-output performance, less heat build-up, and reduced risk of burnout. Output: 5V DC @ 5 amps, +12V DC @ 2 amps, -12V DC @ .25 amps. Includes three AC outlets. \$129.95  
Micro R & D, Div of Applied Technologies, Inc., 137 N. 7th Street, Loup City, NE 68853, (308) 745-1243

## MultiStart II

Allows A500 and A2000 owners to install multiple Kickstart ROMs in their computer. Lets you install Kickstart v2.0 and v1.3 and switch between them with the keyboard. This is the easiest way to upgrade to 2.0 and still stay compatible with your software that only works under 1.3. Can also install a third ROM. No external wires or switches required. \$99.95

DKB Software, 50240 West Pontiac Trail, Wixom, MI 48393, (313) 960-8750

Please see display ad page 26.

## Polaroid CI 3000 Driver

The CI-3000 Driver allows Art Department Professional to completely control every aspect of the Polaroid CI-3000 digital film recorder. The CI-3000 uses 33 bit-per-pixel recording precision to provide repeatable and accurate full color output on 35mm film and on prints up to 4 x 5 inches in size. The CI-3000 can resolve up to 2000 x 1500 full color dots on a single image. Use the CI-3000 for proofing, story boarding, or for professional quality slides. Requires Art Department Professional and a Polaroid CI-3000 digital film recorder. This driver also supports the CI5000 film recorder for those who require 4000 x 3000 pixel resolutions. \$200.00  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

## Polaroid CI-3000 Digital Film Recorder

The Polaroid CI-3000 is a purely digital film recorder which uses 33 bit-per-pixel recording precision to achieve stunning accuracy and repeatability. The CI-3000 comes with camera backs for 35mm film, instant autofocus prints, and instant peel-apart prints and transparencies. It is completely integrated into ASDG's Art Department Professional using the CI-3000 Driver, including the ability to print to film automatically via ARexx. Requires Art Department Professional and the CI-3000 Driver. \$4495.00  
ASDG, Inc., 925 Stewart St., Madison, WI 53713, (608) 273-6585

## Robotarm

Full-function five axis movement can manipulate small objects with amazing human-like dexterity. Comes with finger jaws, shovel scoop, magnetic attachment, and two joysticks. \$89.95  
Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110

## SA SCSI Adaptor WB1.3 Upgrade Kit

As with Commodore's release of the AmigaDOS 1.3 Enhancer, Comspec has continued support of the Amiga family of products with the SA SCSI adaptor WB1.3 Upgrade Kit. This kit enhances the SA1000 with a new version of the firmware and software that gives you new features such as: partitioning, FFS support, high-capacity removable

media, and a custom partition. The kit includes new firmware, software, and full instructions. Allows the SA1000 to Autoboot procedure. This method allows the user to boot from a floppy disk placed in drive DFO: without having to toggle any switches as in Comspec's propriety method. \$39.95 Canadian.  
Comspec Communications, 74 Wingold Ave., Toronto, Ontario, Canada M6B 1P5, (416) 785-3553

## ◆ SHARP JX-100 DRIVER

This WYSIWYG driver allows the JX-100 owner to scan from within ADPro providing high quality color image input up to 6.4 by 4 inches in size. Includes stand-alone version. \$129.00  
ASDG/Sharp Electronics, 925 Stewart St., Madison, WI 53713, (608) 273-6585

## ◆ SHARP JX-300, 450 and 600 Driver

This is the software only version of Professional ScanLab II for those users who already own an ASDG GPIB interface card. This WYSIWYG driver allows users to scan from the JX-300, JX-450, or JX-600 color scanners from within ADPro. Includes stand-alone version. \$300.00  
ASDG/Sharp Electronics, 925 Stewart St., Madison, WI 53713, (608) 273-6585

## Scannery

Scannery is a software/hardware package that interfaces the HP ScanJet series of flatbed scanners. High quality images may be scanned in resolutions from 12 to 1500 dpi in black and white, four dither patterns, or in 16 or 256 grayscales. The images can be saved in a rich variety of formats for inclusion in any desktop publisher on most computers, or faxed out through the Aefax/modem. It features ease of use and installation. \$250.00  
Concise Logic, 36 Tamarack Ave., Ste. 315, Danbury, CT 06811, (203) 746-6739

## ● SwitchStart

Adapter board which plugs into the KickStart ROM socket and enables the user to switch between two versions of KickStart (for example 1.3 and 2.0). Works in A2000, A500, and A1000 with Rejuvenator installed. Also has a jumper to enable A500s with Rev 5 motherboards to use the new 2.0 KickStart ROM. NTSC/PAL compatible. \$59.95  
Expert Services, 5912 Centennial Circle, Florence, KY 41042, (606) 371-9690

## Symposium

Voice mail plug-in card for Amiga 2000/2500 series. Simulates answering machine, call forwarding, voice-mail boxes, Touch Tone remote computer control, Touch Tone walk through menu/information manager from remote phone, remote Touch Tone I/O control/monitor, Amiga text reading speech to a remote phone. Requires A2000/2500 series with 1MB RAM and hard drive. \$199.00  
Pacific Digital, 13552 Portsmouth Circle, Westminster, CA 92683, (714) 373-4112

## TACH 25

Hardware/software system for archiving software. High speed duplication works with two to four drives. Copy up to 81 tracks. Duplicate non-Amiga formats. \$89.95  
Datel Computers, 3430 E. Tropicana #67, Las Vegas, NV 89121, (800) 782-9110

## ◆ TKB Series Trackball

TKB-MT for the Amiga has top-quality construction with opto-mechanical encoder. Stylish two-color ergonomic design.  
CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (800) 798-2497

## ◆ TKB-A Series Crystal Trackball

TKB-MT-A for the Amiga is designed for easy, one-hand operation. High running stability to prevent data loss. Effortless operation with reliable micro-switch buttons.  
CHS Inc., 602 North Country Fair Drive, Champaign, IL 61821, (800) 798-2497

## The Bit Knitter

A computer-knitting machine interface which allows you to design in a paint program on the Amiga and download the design to an electronic knitting machine. Watch the progress of the design as you knit. The manual instructions are written for DeluxePaint although other programs may be used. The following knitting machines are supported: Studio/Singer, Brother/Knitting, and Passap Electronics. \$499.99  
Cocheville Computer Knit Products, Inc., P.O. Box 4276, Encinitas, CA 92024, (619) 942-1957

## UPS System (BC-series)

BC-500 UPS System provides 500 VA of emergency power in the event of a blackout. Surge and brown-out-protected. Line/Battery power indicator lights and audible alarm. Provides 21 minutes of backup

at 1/2 load and 8 minutes at full load. MADE IN U.S.A. 2-year warranty. RFI/EMI-protected. Also available in 205 to 4400 VA, as well as LAN-specific and true on-line UPS models. \$399.00  
Tripp Lite, 500 N. Orleans, Chicago, IL 60610-4188, (312) 329-1777

## ◆ ◆ ◆ CD-ROM ◆ ◆ ◆

### CA•650

The CA•650 CD ROM software driver supports the ISO 9660 standard for CD ROM interchange and allows the use of IBM and Macintosh ISO discs on your Amiga. It's compatible with all CD ROM drives that support the SCSI standard and Amiga hard disk controllers that support the SCSI direct standard. It comes complete with DiskChange capability. Support for standard audio CD's is included as well. Access up to 650MB of information on a single CD.  
California Attec, 130 Knowles Drive, Los Gatos, CA 95030-1832, (408) 378-0340

### ◆ CDROM-FS

CDROM-FS version 702 enables Amiga owners to connect most SCSI CD ROM drives to an Amiga with a SCSI interface. This software provides support for industry standard ISO 9660/High Sierra format CD ROM discs. It comes with clear, concise instructions, making it easy to install and use. \$50.00 Canadian. Requires A590, A2091, A3000, or Microbotics Hardframe. \$49.95  
Canadian Prototype Replicas, P.O. Box 8, Breslau, Ontario, Canada N0B 1M0, (519) 884-4412

### CDx-650E

External CD-ROM drive system (5.25-inch format) in its own enclosure. Includes SCSI cable and utility disk plus Xetec's 'Fish & More' Vol. 1 CD-ROM with over 300MB of PD software including the Fred Fish library (up to #370) and disc caddy. Also plays conventional audio CD's. \$699.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

### CDx-650i

An internal CD-ROM drive system (5.25-inch format) for the A2000/2500 including audio ribbon cables and utility disk. Also includes the same disc caddy and CD-ROM. 'Fish & More' as the CDx-650E model and plays conventional audio CD's. \$599.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

### ◆ Diamond Store 20

A remarkable innovation in removable media, the marriage of precision optical tracking and conventional magnetic storage to create an ultra-high capacity 3.5-inch Floptical(R) disk. And also read/write compatibility with standard 3.5-inch density and high density disks for AmigaDOS and MSDOS access. Getting the Diamond Store 20 is like getting a new hard drive with unlimited storage, but you'll be able to back-up, or transport huge data files or image and sound files on a single shirt-pocket-size disk. \$599.95 for the internal kit; \$799.95 for the external Drive. All cables and one Floptical disk supplied. Requires an approved SCSI controller. Call to verify your controller.  
TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071

### Diamond Store 600

Continuous read/write 600MB CD optical drives. Compatible with AmigaDOS and fast file system. 22ms access time. Internal and external available. Comes with cartridge, cable, and software. \$2999.95  
TTR Development, Inc., 6701 Seybold Rd., Ste. 220, Madison, WI 53719, (608) 277-8071

### Fish & More Vol. I

Vol. I CD-ROM only with over 500MB of PD software including the Fred Fish library (up to #370). \$49.95  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

### Fish & More Vol. II

Vol. II CD-ROM only with over 150MB of PD software including the Fred Fish library disks #371-#470. This data appears as both compressed disks (for BBS use), and sorted (for local use). \$49.95  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

### MOx-600

Re-writable Ricoh 600 meg Magneto-Optical Drive. Complete system includes enclosure, power supply, fan, and one cartridge. \$3600.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

### ROD-5602 F/T

Extra cartridges for MOx-600. \$229.00  
Xetec, Inc., 2804 Arnold Road, Salina, KS 67401, (913) 827-0685

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# CDTV

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### A Bun For Barney

A Bun For Barney is a delightful animated story for children aged 3 to 6 about a bear who learns to say 'no.' As they watch, children can make characters pop up, play learning games, and perform songs. This disc also encourages early reading. Children can read each sentence as it is spoken in the narration or select individual words to hear them pronounced. Animated by Melendez Films, producers of the well-loved PEANUTS specials on CBS Television, and narrated by Tom Baker, star of Dr. Who. \$49.95

Multimedia Corporation, 109X Regents Park Road, London, England NW1 8UR, (011) 4471-722-7595

### ● A Long Hard Day on the Ranch

Desperate bandits, runaway cattle, and broken toes hold no terrors for our imaginative hero. This tall tale shows how a young boy imagines his days at his uncle's ranch while accompanying illustrations show the more mundane reality. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95

Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

### Advanced Military Systems

Advanced Military Systems includes over 1000 breathtaking action shots of the world's most exciting and powerful military systems. These images are combined with hours of music and narration to create an exciting and informative multimedia production. In addition to the narration, each system includes text, specifications, and the ability to view each image individually. Advanced Military Systems includes the Soviet MiG-29 Fulcrum jet, U.S. M1A1 Abrams tank, Iraqi al-Abbas missile, Israeli Kfir jet, U.S. Nimitz-class aircraft carriers, Soviet Typhoon-class submarine, U.S. F-117A Nighthawk 'stealth' fighter, and much more. Over 100 systems in all. \$39.95

Dominion Software & Design, Inc., 3328 Oakshade Court, Fairfax, VA 22033, (703) 318-8270

### ◆ Airwave Adventure: Murder Makes Strange Deadfellows

Dark clouds gather like mourners at the ancestral home of Randolph Steere, patriarch of the Steere family. As the mighty fall, so falls Randolph, right down the staircase within his mansion. But, he really left the world five years ago when he lost his wife Irene. Strange stories have grown up around this ominous place since Randolph secluded himself here and no one can say what will happen now! Try to discover Randolph's last wishes and find out if ghosts really walk in Steer manor in this comedic thriller. Also available for CD-ROM and NTSC/PAL. \$49.95

Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040, (213) 721-8282

### Airwave Adventure: The Case of the Cautious Condor

Tiger Media's breakthrough interactive mystery is now available for CDTV! Explore hundreds of images, hours of audio, and thousands of possibilities.

Can you discover the solution? Join Ned Peters, detective, and a colorful cast of suspects on board the 1937 maiden voyage of the Condor. You have 30 minutes to solve the crime on this thrilling flight into history and murder. Available in PAL/NTSC. \$49.95

Tiger Media, 5801 E. Slauson Avenue, Ste. 200, Los Angeles, CA 90040, (213) 721-8282

### American Vista Multimedia Atlas

American Vista provides a world of excitement and discovery. Maps of each state illustrate political, topographical, industrial, and agricultural features. Almost 1100 professionally-photographed images display people and places from each state and our nation's capitol. Many examples of regionally-specific speech and our folk music heritage are also included. Further details include statistical information and history for each state along with state seals, flags, flowers, animals, and license plates. Historical maps and flags along with pictures and detailed captions of each president are also featured. \$79.95

Applied Optical Media Corp., 1450 East Boot Rd., #400, West Chester, PA 19380, (215) 429-3701

### ◆ Animals In Motion

Using historic footage from Eadward Muybridge, Animals In Motion gives a fascinating insight into animal locomotion. From horses, dogs, cats, across the spectrum of the animal kingdom to exotic creatures like guanacos and sloths, Animals In Motion is an unsurpassed resource of animated photographic images. From artist to scholar, historian to naturalist, both young and old, Animals In Motion is a valuable encyclopedia of animal reference. Animals In Motion can be enjoyed like a book, watched like a documentary, or used like a database.

On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114

### Animated Coloring Book

For kids, and the child in all of us, the Animated Coloring Book makes it simple to create beautiful pictures and then bring them to life. Using up to 61 crayons (colors), you pick up the one you want and click to fill in the outlines. Have fun coloring a variety of animals like dogs, cats, and even elephants. Then with a click you can bring your colored picture to life through animation and see dogs walk, cats play, and more! You can also let the computer color for you, to provide examples for teaching youngsters. \$39.95

Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000

### B.A.T. (Bureau of Astral Troubleshooters)

B.A.T. is an adventure game that lets you become the one agent of the Bureau of Astral Troubleshooters who can save Terrapolis. It's so life-like you'll never want to come back! Vrangor, a top scientist, and Merigo, a small-time crook, have announced their intention to set off nutrobiogenic bombs in Terrapolis, the largest city of Selenia. This ultimatum leaves the government only 10 days to evacuate the city and draw up a deed of ownership in Vrangor's name. After time runs out, Selenia will be blown out of the galaxy. The countdown has begun, and it's up to you to foil Vrangor's evil plans. \$49.95

UBI Soft, Distributed by Electronic Arts, 1450

Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

### Barney Bear Goes to School

Barney Bear Goes to School is a learning game for pre-school children that combines colorful, animated graphics and rich, 'multi-track' audio. It consists of two segments: Storytime, which shows children how to get ready for a day at school, and Schoolroom, which lets children select and play many learning activities. Storytime shows Barney Bear getting ready for school and teaches children

to clean their room, to eat a good breakfast, and to look both ways before crossing streets. The game asks children to identify objects on the screen and then rewards them for correct choices with audio response. Once Barney is in his schoolroom, children may choose from activities such as spelling games, counting games, colors, shapes, and a coloring book. \$39.95

Free Spirit Software, Inc., P. O. Box 128, 58 Noble St., Kutztown, PA 19530, (215) 683-5609

### Basketball

Basketball brings all the on-court excitement and backroom strategy of real-life basketball into your own home. The SBA League allows you and a friend to own, manage, and coach your own basketball teams. Recruit from the Minor Leagues, improve your current roster at training camp, or trade for other players with varying ages, injuries, and abilities. Team stats chart the past 9-years of every team in the league. All-time individual and team records kept for the history of your franchise. Complete nine year player stats document your team's performance. Control the on-court action with precision passing and shooting, aggressive defense, and slam dunks! One or two players can challenge each other, or watch the computer play itself. \$49.95

Context Systems, Inc., The Technology Center, 333

Byberry Road, Hatboro, PA 19040, (215) 675-5000

### Battle Chess

An entire medieval world at war is reflected on the checkered field. Colorful and dramatic 3-D animation. Over 4MB of animation and 10 different difficulty levels, 400K of digitized sound effects. Modern capability for remote play. Opening library of 30,000 moves. Play against a friend, against the computer, or let the computer play itself. Requires CDTV only. Available in June. \$59.95

Interplay Productions, 3710 S. Susan, Ste. 100,

Santa Ana, CA 92704, (714) 549-9001

### Battlestorm

Message received on all emergency channels: 'There is a state of emergency on all frontier worlds. The Kalomarian enemies are taking over this galaxy. Their state-of-the-art command vessels, the Battlestorm starships, are capable of destruction on a stellar scale. There is little time to counter attack these invaders. The Empire is already defenseless, nevertheless we hold hope, as the ancient prophecy has foretold: From the ashes of conquest shall rise a warrior and the storm will be blown away.' The future of the Empire of Worlds is in your hands. You will need all the help you can get if you are going to destroy the Battlestorm starships and launch your final attack on their headquarters. \$49.95

Titus Software Corporation, 20432 Corisco St., Chatsworth, CA 91311, (818) 709-3693

### Bill & Ted's Excellent Adventure

For a hilarious, time-warped trip through history, it's Bill & Ted's Excellent Adventure, a fully-animated arcade action game recreating all the fun of the hit movie. It's a bodacious romp in search of famous dudes—Napoleon, Socrates, Genghis Khan, Freud, Joan of Arc, Lincoln, Einstein, and more—it's a quest to pass that most heinous history exam. Digitized photos and sound from the movie add to this outrageous adventure. Available 1992 for CDTV. \$49.95

Capstone, 14202 SW 136th Street, Miami, FL 33186, (305) 252-9040

### CDTV

Commodore Dynamic Total Vision combines audio, video, graphics, and text. Its small black appearance is designed to enhance any home entertainment environment. While it is able to play standard audio compact discs at 8X oversampling rate, CDTV is also equipped to run Amiga programs from CD's. Each CD has a computer data capacity of 550MB (or the equivalent of over 700 Amiga floppy disks). Although upgradeable, CDTV



is designed as a tool for information and entertainment, not as a computer. The player is controlled by a specially designed Amiga motherboard with five additional custom chips. It contains 1MB of RAM, 512K ROM, slots for an optional video card and a DMA card, as well as an external port for RS-232 devices, an external drive, two audio ports, MIDI In/Out, stereo headphone jack, and a personal RAM card. An optional keyboard can be used as an IR device or hardwired into the unit. Additional optional peripherals include an external floppy drive, trackball, joystick, MIDI In/Out (through a third party), Genlock, an expansion module, a keyboard IR interface, modem, and printer. See CDTV section. \$999.00

*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## CD-REMIX

CD-REMIX lets you sit in your armchair and take your favorite music CD and resequence pieces of it to make your own personal remixes. You can even intersperse over 100 included samples with your music CD-REMIX. Made by microdeal. Requires CDTV. NTSC and PAL. \$50.00

*MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946*

## ◆ Chaos in Andromeda

Chaos in Andromeda is a fantasy role-playing game set on Koranis 12. Your mission is to find and bring back the political figure and scientist Mr. Noko Yai. He has been kidnapped; if you can't bring him back you must destroy him. Available for NTSC and PAL. \$50.00

*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114*

## Classic Board Games

Classic Board Games enables you to play Chess, Checkers, and Backgammon on your television. Pit your skill against the game and select the level of difficulty or challenge a human opponent. Games are simply and easily controlled with the CDTV remote controller. Audio directions and updates are provided in six languages: English, German, Japanese, French, Spanish, and Italian. No knowledge of the games is required. \$49.95

*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Complete Works of Shakespeare

The complete works of the world's greatest playwright is now available on a single compact disc. From the comfort of your arm chair, you can read the complete works including plays, poems, and sonnets. All major scenes are illustrated with reproductions of original woodcuts. Electronic reference technology allows instant searches to be made on the entire text using simple and easy functions. Features include easy-to-use graphic display, instant search for word or phrase, complete concordance, bookmark facility, woodcut illustrations, and illustrated 'Dramatis Personae' for each character. \$49.95

*Animated Pixels, Albemarle House, Osborne Rd., Southsea, Hampshire, PO5 3LB United Kingdom, (011) 4470-529-1866*

## Composer Quest

Composer Quest offers a revolutionary, interactive, and fun way to learn music history through the work of the great composers, from 1600 to the present. It can be used as a game or a learning application. The program cross-references important developments in world history, visual art, and sociological change. Composer Quest features 75 digitized 'sound samples' of original performances of some of the greatest musical works ever composed and recorded. \$99.00

*Dr. T's Music Software, Inc., 100 Crescent Rd., Needham, MA 02194, (617) 455-1454*

## Defender of the Crown

Based on the classic films The Adventures of Robin Hood and Ivanhoe, Defender of the Crown is an interactive tale of brave knights whose days are filled with daring jousts, breathtaking sword fights, beautiful damsels in distress and enemy castle sieges. The adventure begins with the nation in turmoil following the death of England's ruler, King Richard. To save their beloved country, the bold Saxon knights clash against the evil forces of

the plundering Normans. Only the strongest, most skillful and courageous knight can overcome the obstacles and win the crown to become King of England. The disc features a fully-orchestrated stereo soundtrack, motion-picture quality sound effects and speech elements that add a totally new dimension to this interactive game. \$39.95

*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## ◆ Dennis Wheatley's Herewith the Clues

A most enjoyable and intriguing detective-style mystery. Set in the 1930's, you play the role of a detective, searching through a complex array of clues and suspects to reveal the murderer of a police informant. A totally new design of interactivity, where the clues are made up of real tape recordings of secret conversations, photos, and hidden camera film of private meetings, animated exhibits, dossiers, and police reports. With 20 possible suspects and hundreds of clues, no two games are ever the same. Using interactive interface you piece together the evidence to build your case—but it better be strong to get a conviction!

*Domark, Ferry House, 51-57 Lacy Road, Putney, London, SW15 1PR England, (011) 4481-780-2222*

## Dinosaurs for Hire

What happens when three out-of-time gun-toting dinosaurs hit the streets? Bullets fly, evil-doers tremble, and insurance rates go through the roof. Dinosaurs for Hire is another in a series of comic books on disc. Hundreds of pages, thousands of screens, and more fun than you can shake a Tyrannosaurus at.

*Wright Enterprises, Hudson Road, Temple, NH 03084, (603) 878-1491*

## Dominion

Dominion is a traditional strategy game brought to television. Each player buys and sells national resources and maneuvers his or her armies, fleets, and air forces to protect and expand territory. Dominion is set late in the 21st century with each player controlling one of the seven great empires of the world. The action is enhanced with music, sound effects, high-quality action images, and animation. CDTV keeps track of the tedious chores of a traditional board game—scoring, dice rolling, random events, rule umpiring—and enhances it with exciting multimedia action and a fluid pace. Dominion can be played by one to seven players. Available Summer 1991. \$49.95

*Dominion Software & Design, Inc., 3328 Oakshade Court, Fairfax, VA 22033, (703) 318-8270*

## Dr. Wellman

Dr. Wellman is a comprehensive home health system covering all the areas of health care relevant to an average family. The material is presented in a simple, friendly manner incorporating text (with narration), graphics, animation, music, and sound effects. A unique keyword system provides a dictionary of over 600 explanations for names, terms, symptoms, and conditions. A wide variety of medical topics including First Aid, dental care, traveling abroad, and most importantly, a wealth of information to keep you and your family healthy. Contains password-protected sections dealing with Adult health. \$79.95

*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Electric Crayon Deluxe: All Dogs Go To Heaven

All Dogs Go To Heaven is an exciting title that transforms your television into an electric coloring book. With 30 delightful and enchanting coloring book pictures and spoken words and songs, the disc tells the story of Charlie B. Barkin, a roguish German Shepherd with a con man's charm and a marshmallow heart. Based on the animated film by Don Bluth, this disc is a must for all children and the young at heart. \$49.95

*Merit Software, Inc., 13635 Gamma Road, Dallas, TX 75244, (214) 385-2353*

## Falcon

Get set for the 'flight of your life!' The powerful Falcon F-16 takes you streaking across the skies at Mach 2. The accurate weapons systems, heads-up display, cockpit controls, and overall flight characteristics make this the ultimate in simulations. Falcon for CDTV contains 36 separate missions in three combat theatres: The Falcon Training

Ground—make the grade from rookie to a real 'top gun' pilot; Operation CounterStrike—repel the invaders then counter by attacking the enemy bases; Operation FireFight—12 more exciting missions with an upgraded F16C aircraft. Ideal for aviation buffs. \$69.95

*Spectrum HoloByte, 2061 Challenger Drive, Alameda, CA 94501, (415) 522-3584*

## Fun School 3

Fun School 3 for the Under 5s consists of six educational activities that help to develop many skills including number, shape, and word recognition. Your child can learn at his/her own pace. Beautifully-created pictures, stunning animation and exciting sounds make learning fun and effective. Three packages, each with a suite of six multilevel programs. Each program is aimed at different age groups: under five, five to seven years, and over seven. There are several levels of difficulty in each activity. A parent-teacher's guide is included. \$49.95

*Europress Software, Europa House, Adlington Park, Macclesfield, Cheshire, England SK10 4NP, (011) 4462-585-9333*

## ◆ Fun School 5 to 7s

The five to seven pack follows the under 5s successful formula of six educational games, each with several levels of difficulty, covering all the children's favorite subjects. These help develop many skills including number and word skills at a child's own pace. The games are Toyshop, Electricity, Collect, Funtext, Time, and Journey. Beautifully, created pictures, stunning animation and exciting sounds will keep children coming back for more again and again. \$49.99

*Europress Software, Europa House, Adlington Park, Macclesfield, Cheshire, England SK10 4NP, (011) 4462-585-9333*

## Future Wars

Travel back and forth through time to save the earth from future destruction by alien invaders. Over three years in development, the animated cinema-style graphics, user-friendly interface and digitized sound track combine to form a complete gaming experience. Requires CDTV only. \$59.95

*Interplay Productions, 3710 S. Susan, Ste. 100, Santa Ana, CA 92704, (714) 549-9001*

## Gardenfax: Fruit, Vegetables & Herbs

Fruits, Vegetables & Herbs is a quick and accurate way to answer your questions about choosing and cultivating many edible plants. In this program, use the graphic symbols to search the criteria, look at the plants, and make your selection. There are over 170 plants with such criteria as planting time, harvesting time, and soil and light types. Included are fruit and vegetable types such as root, leaf, and exotics. \$49.95

*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Gardenfax: Garden Plants

Garden Plants is an easy, fun, and informative way to select and care for beautiful plants in your garden. The program allows you to search by criteria or by name, or just browse through all the plants on the disc. There are over 400 bedding and bordering plants presented in full color. The criteria for helping you find the plant to suit your needs for Garden Plants are flower color, plant type (such as bedding, border, bulb, tuber, rockery), light aspect, height, planting time, flowering time, and soil type. \$49.95

*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Gardenfax: Indoor Plants

Indoor Plants takes the guesswork out of choosing and caring for houseplants. Over 200 plants are presented in full color pictures and text. The pictures and information may be found by common and botanical name or by selecting a combination of criteria such as room temperature, light conditions, flower color, and size. Using the remote controller, make choices from the symbols on the screen, and find plants to suit your home. For instance if Grape Ivy (Rhoicissus Rhombifolia) was selected, you would get hints on watering, positioning, feeding, and audiovisuals on taking stem cuttings and repotting. \$49.95

*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

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**Gardenfax: Trees, Shrubs, Roses & Conifers**  
Trees, Shrubs, Roses & Conifers is an interactive information program designed to answer the questions of all gardeners about their horticultural plants. Over 300 plants can be selected by criteria or name, or you can just browse through the collection. Gardenfax is easy to use and provides comprehensive and practical advice such as when to feed and water. Plants can be selected from a variety of criteria such as flower color, leaf color, plant type, light aspect, height, and spread, as well as planting time, flowering time, soil type, and speed of growth. \$49.95  
*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

**Horse Racing**  
Horse Racing brings all the on-track excitement and strategy of real-life racing into your own home. Bet on the favorites to Win, Place, or Show. Up to four players may compete. Create as many tournaments as you wish. Have 128 horses at each track. Detailed past performances of the last 10 race results for every horse at the track. Complete jockey profiles. Variable track conditions. Ability to purchase 'tips' from some classy competitors and some shady characters as well. \$49.95  
*Context Systems, Inc., The Technology Center, 333 Byberry Road, Hatboro, PA 19040, (215) 675-5000*

**Hound of the Baskervilles**  
A maze of intrigue and passion comes to light in the granite wilderness of Dartmoor as the curse of the Baskervilles strikes again. The Hound of the Baskervilles CDTV disc recreates Sherlock Holmes' greatest case from contemporary evidence, using original papers found in Dr. Watson's tin dispatch box. Watson, Holmes' famous friend and assistant, kept all the records and evidence meticulously and now you too can follow in his footsteps, clue by clue. Journals, newspaper cuttings, telegrams, letters, notes, police reports, photographs, and material evidence have been assembled together to document the mystery of The Hound of the Baskervilles. It is only by narrowly escaping death that Holmes and Watson solve the mystery of the spectral hound. With a plot from the genius of Sir Arthur Conan Doyle and a game designed by the renowned Simon Goodenough, the atmosphere is heavily laden with suspense and drama. \$50.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114*

**◆ Illustrated Sherlock Holmes**  
Sherlock Holmes, the world's greatest detective, is now available on a single CD-ROM. The complete set of 60 exciting stories are beautifully illustrated in full color. All text is complimented by atmospheric music. Features include over 250 color illustrations relating to the text, appealing graphic display, bookmark facility, choice of 10 custom fonts and search facility. £30. \$50.00  
*Animated Pixels, Albemarle House, Osborne Rd., Southsea, Hampshire, PO5 3LB United Kingdom, (011) 4470-529-1866*

**Indoor Sports**  
Four high-quality, challenging games will keep you entertained long after other games have been retired from competition. Get the ball rolling with Bowling. Darts won't leave you bored. Get a rush from Air Hockey. Finish off with a generous serving of Ping Pong. Not just a collection of short 'events', Indoor Sports gives you four stand-alone games in one package. The set features superb graphics, multiple levels of play, smooth animation, and one- and two-player options. Available June 1991. \$49.95  
*Context Systems, Inc., The Technology Center, 333 Byberry Road, Hatboro, PA 19040, (215) 675-5000*

**◆◆ Interplay CDTV**  
Interplay CDTV is a production system for developers of CDTV titles with support for all display modes, animations, music files, and samples. Supports media spooling of unlimited length samples and animations from disk. Freeform page layout and integral hot word builder. Supports VAXL motion video files. Requires no programming and creates stand-alone applications. PAL/NTSC com-

patible. AmigaDOS 2.0 compatible. Minimum 1MB RAM, two floppy drives; 4MB RAM and 40MB hard drive recommended. Price TBA. Available December 1991.  
*Optonica Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA, (011) 4445-555-8282*

**LTV English**  
LTV English helps people learn English as a second language. Conceived for use in a family setting, it helps to improve oral comprehension for many levels of competence. Over 30 situations and more than 150 exercises are included. LTV English provides a cultural approach to the United Kingdom and to the United States via a series of 'news reports' on London (daily life), Los Angeles (pop culture), and contemporary issues. It allows the user to familiarize himself with the English and American accents, and to rapidly improve his mastery of the language. \$49.95  
*Jeriko, 5 Bld. Poissoniere, 75002 Paris, France*

**Lemmings**  
Lemmings establishes a brand new category of game for the Amiga. You've never seen anything like it! Hordes of tiny characters that you have to guide through many levels of obstacles and adventures building bridges, digging tunnels, climbing mountains, parachuting to safety. Get them on their way through each level as quickly as you can, or they start to inundate you and happily proceed to their own oblivion. Each level requires you to construct increasingly complex routes to save as many Lemmings as you can. Lemmings features tiny, incredibly-detailed and expressively-animated characters (up to 100 Lemmings on the screen at once), one-player or split screen two-player action, 100 mind-blowing increasingly difficult playing levels, and some of the most entertaining game playing music you'll ever hear. This one is going to be a classic! Available July 1991.  
*Psygnosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553*

**◆ Lunar Rescue**  
All your wits and skills will be challenged in this race to rescue the crew of Apollo 19, stranded on the moon during a mission. Digitized NASA footage provides realism. Cinematic cut-scenes create suspense. An animated Space Database teaches you important facts about space and our solar system using digitized graphics and sound effects. Features include: digitized miniature sets and plastic models and a professionally orchestrated CD AUDIO sound track. Over 20 MBI The disc contains English, French, German, Italian, Japanese, and Spanish. \$49.99  
*Odyssey Software, P.O. Box 367, N. Eastham, MA 02651, (508) 240-2317*

**Many Roads To Murder**  
Many Roads To Murder can be a disappearance or robbery. Which one depends upon your first choice of plot lines. Your second choice determines the next plot twist. The stories evolve in unexpected directions from smuggling to espionage, from collegiate revenge to a mysterious African expedition. As the title suggests, there are many roads to choose from. Each one challenges you to solve an excitingly different mystery adventure. This disc contains hundreds of images and a dramatic audio track. \$39.95  
*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

**◆ MiG-29 Fulcrum**  
Fly the Soviet Union's MiG-29 Fulcrum. Probably the best fighter aircraft in the world. A simulation which combines real sounds and images to produce the thrills of combat and give an unprecedented high level of unique and accurate technical detail. Prove your skills in an array of gruelling missions in real-life scenarios. A totally realistic interactive flight simulator. Available in March 1992.  
*Domark, Ferry House, 51-57 Lacy Road, Putney, London, SW15 1PR England, (011) 4481-780-2222*

**Mind Run**  
Mind Run consists of a set of exercises to test your intellectual aptitudes and to use for evaluation and personal development. This interactive product includes fun and challenging tests to sharpen your

capabilities in memory, stress, listening, reflexes, logic, and understanding of machines. You can control the level of difficulty for each type of test. This graphical challenge will engage and entertain you for many hours. \$44.95  
*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

**● Moving Gives Me A Stomach Ache**  
Moving is not easy for anyone, but for a little boy it is especially hard. This is a warm, sensitive story that explores children's feelings about moving and shows them that it's not so bad after all. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

**● Mud Puddle**  
Have you ever wondered how kids get so dirty? Meet a walking mud puddle and see how it continually ambushes one little girl-until she gets the better of it. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

**Murder Anyone?**  
Murder Anyone? challenges you to discover who killed Derrick Reardon. You must crack the alibis of the eight suspects: the victim's ex-actress wife, his spinster sister, his playboy brother, his extremely private secretary, his teen-aged ward, a mysterious German businessman, the family doctor and, of course, his butler. Each of the 16 stories has a unique, puzzling solution that will test your sleuthing skills. Clues are presented as a series of full color images with a dramatic audio track. \$39.95  
*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

**Music Maker**  
Anybody will be able to play music in minutes using the unique features of Music Maker. Choose one of the 17 song tracks, select from over 40 instruments and play along. There is a level for everyone-one key play for beginners, melody play for the more musical, and free play mode for the talented or brave. The CD quality audio tracks are accompanied by changing graphics. You can even play the drums with any of your favorite CD's. No musical experience is required. \$49.95  
*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

**My Paint**  
My Paint is an easy-to-use, educator-approved and classroom-tested paint program designed especially for children. The interface is entirely based upon intuitive symbols. No reading skills are required. Features include colorful, animated symbols for all tools, a complete 'coloring book' of over 100 pictures, sounds which accompany each picture, multiple brush sizes, special 'surprise' pictures, special effects, color cycling, and more. Included with the program is a series of educational 'coloring book' drawings which teach the alphabet, phonetics, reading skills, and other concepts. \$39.95  
*Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

**◆ Nam**  
The longest and most controversial conflict in US history. A war fought in the White House and in the steaming jungles of S.E. Asia. As president you can use your political and military skills to change the course of the war and rewrite history. Balance military commitment against public opinion. Nam is an extremely accurate strategic model of the

Vietnam War, with great playability. It combines historical detail from pages of the real tabloids of the Time and Time/Life magazines, with actual music, reports, and film of the era, to produce a highly entertaining simulation. This is the Apocalypse Now for CDTV. Available in March 1992. Domark, Ferry House, 51-57 Lacy Road, Putney, London, SW15 1PR England, (011) 4481-780-2222

## Ninja High School

Ninja High School is a tongue-in-cheek comic book on a CD. Jeremy Freeput, an otherwise normal American kid, gets involved with the strangest characters when a princess from outer space and the daughter of a secret Ninja society start competing for his affection. Hundreds of pages, hours of fun, and much better looking than those silly turtles. Wright Enterprises, Hudson Road, Temple, NH 03084, (603) 878-1491

## North Polar Expedition

North Polar Expedition is an exciting multi-role-playing adventure disc for groups of five to ten. The adventure simulates a journey to the Pole with real pictures and sounds from actual Arctic expeditions. In a race against time before the ice-pack breaks up, the group members take on the roles of leader, navigator, pilot, and so on, and must make the right decision to succeed in their quest. They also learn about the Arctic environment and develop important geographical skills. Ideal for small groups. \$49.95 Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710

## Pro Tennis Tour II

Pro Tennis Tour II offers more options than the average player encounters in the real world. This simulation game includes training programs where you can choose from a variety of opponents—male and female—various court surfaces, personal skill levels including strengths and weaknesses, and singles and doubles, or even 'dirty mode' triples. Practice well, win the tournaments, and you can qualify for the Masters on the Pro Tennis Tour. Your objective is to improve your ranking by participating in major championships, such as the Australian Open, French Open, U.S. Open, Wimbledon, and the Davis Cup. Each championship event is played on its unique surface: grass, clay, or cement. The on-screen scoring display, realistic sound effects, and two-player option give Pro Tennis Tour II the look and feel of an actual tennis game. \$49.95 UBI Soft, Distributed by Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (800) 245-4525

## Psycho Killer

Psycho Killer is an interactive TV experience. Shot on location in Southampton England, it uses photographic images and real actors. High quality audio and digitized images create total reality. The plot and game are intertwined. You are the hero; you must save the girl held by the psycho killer. Confront Psycho Killer, survive, rescue his potential victim, and escape. The story varies based on how you play. Starring A.D. Watts, Tracey Grech, and King Athel. \$50.00 On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114

## Scary Poems for Rotten Kids

Whether you are frightened by goblins or Gerbelgeks, fog phantoms, or even the dreaded pocket monster, you'll find lots of chuckles and chills in Scary Poems for Rotten Kids. As with any of the Discs Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95 Discs Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537

## Shadow of the Beast I

An adventure game that takes the player through 13 levels and 350 screens of multi-dimensional, parallax scrolling and other graphics and audio special effects implemented for the first time on the Amiga. You must jump, push, and kick your way

above and below ground in this amazingly detailed world, while meeting over 130 varieties of creatures right out of your worst nightmares on your way to the final showdown. If you do manage to survive, don't worry. Shadow of the Beast II, the sequel, is waiting to challenge you even more. Enhanced audio for CDTV version. \$39.99 Psynosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553

## Shadow of the Beast II

Shadow of the Beast II features a new cast of sinister, intelligent opponents, arcade-quality animated sprites, diabolically clever hidden traps and puzzles to solve, multiple inventory control, real-time interaction with intelligent creatures, rich new sound effects and speech. Enhanced audio for CDTV version. Psynosis Limited, 29 St. Mary's Court, Brookline, MA 02146, (617) 731-3553

## Sherlock Holmes Consulting Detective

Capture the mystery and excitement of Holmes' London in this challenging and informative game. You, the player, will match your deductive abilities against the master sleuth himself, Sherlock Holmes. For the first time ever, experience real-time video and audio as Holmes and Watson interrogate potential suspects chosen by you! Search the London Times newspaper for clues, reference Holmes' files for information, or send the Baker Street Irregulars to gather more valuable information for you. You are presented with a mystery to solve, and it is then up to you to trace the threads of evidence through the byways and mansions of 19th century London. Sherlock Holmes is an interactive style detective game which utilizes the hardware and storage capabilities of CD. \$69.95 Icom Simulations, 648 S. Wheeling Rd., Wheeling, IL 60090, (708) 520-4440

## SimCity

SimCity puts you in charge as both the mayor and the city planner of a dynamic real-time urban development simulation. Build houses, stores, factories, roads, football stadiums, airports, and parks. Collect taxes and run a city. Bulldoze entire neighborhoods, cause tornadoes and floods—everything is simulated and animated. With three different time periods, your city will evolve through time from the Wild West to Future U.S.A. Build the city of your dreams. \$49.95 Maxis, Two Theatre Square Ste. 230, Orinda, CA 94563-3041, (510) 254-9700

## Snoopy: The Case of the Missing Blanket

Snoopy: The Case of the Missing Blanket is a colorful, fully interactive cartoon which is a challenge and delight for all Snoopy fans. Snoopy plays detective in this animated cartoon adventure, facing the task of finding where Linus lost his blanket. Snoopy must find the missing blanket and then return it to Linus who is most upset at misplacing it. \$49.95 The Edge Interactive Media, 225 South Lake Ave., Ste. M157, Pasadena, CA 91101, (818) 577-9375

## Space War

Space War is outer space combat action at its best. One or two players fight it out for a sector of space. Space War follows in the tradition of classics like Asteroids™ and features arcade-quality graphics and sounds to enhance the heart-stopping action that surrounds your space-faring warship. Play alone or combat another armchair starfighter in the most exciting and dangerous sectors of deep space. We digitized models moving around using a technique known as stop-motion animation to produce incredibly realistic animation. The disc contains English, French, German, Italian, Japanese, and Spanish. \$39.99 Odyssey Software, P.O. Box 367, N. Eastham, MA 02651, (508) 240-2317

## Spirit of Excalibur

Spirit of Excalibur is an epic quest to restore the grandeur and glory of Arthur's Roundtable. To top off the excitement, the game is accompanied by a grand Wagnerian orchestral score. You explore over 100 beautifully-illustrated unique locations and listen to the conversations of the colorful cast of characters in this rich adventure game. \$59.95 Virgin Games, Inc., 18061 Fitch Ave., Irvine, CA 92714, (714) 833-8710

## Super Games Pak

Three high-quality arcade games for a single low price. JAILBREAK, BYTEMAN, and DEATHBOTS. Super Games Pak CDTV is not a straight conversion of the 5-disk Amiga game. This is a new version with 15MB of graphics and sound effects. The instruction manual is now on the disc and has graphics and sound effects. Each of the games has its own cartoon-like introduction. As a bonus you get the complete Lunar Rescue intro sequence. This is a movie-like sequence which runs for about 14 minutes straight and takes up over 5MB of disc space. English, French, German, Italian, Japanese, and Spanish all available on the same disc. \$39.99 Odyssey Software, P.O. Box 367, N. Eastham, MA 02651, (508) 240-2317

## The American Heritage Illustrated Encyclopedic Dictionary

Houghton-Mifflin's highly regarded dictionary with 180,000 entries is enhanced in this CDTV version with 3,000 color illustrations and an automated word pronouncer and speller. As with Xiphias' Time Table series, every word on the TV screen is 'hot' so all the material links easily to all other references to that word, turning the material into an exploratory of the English language. \$69.95 Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034, (213) 841-2790

## The Cardinal of the Kremlin

Anti-missile defenses and satellite technologies provide the central action in Tom Clancy's novel, The Cardinal of the Kremlin. In Capstone's computer simulation, players are challenged to develop these strategic defenses for America—manipulate a myriad of international forces, deal with espionage, terrorism and global politics—to win the technological race against the Soviets. Available 1992. \$49.95 Capstone, 14202 SW 136th Street, Miami, FL 33186, (305) 252-9040

## The Family Circus Video Workshop

The Family Circus Video Workshop is designed to help you create your best videos ever. Based on the nationally syndicated Family Circus comic strip, the Video Workshop allows you to tap the full potential of your CDTV, camcorder and VCR to customize and enhance your own home videos—both new and old. Add the humor of this comic family with the Video Illustrator, featuring hundreds of full color Family Circus comics. Each and every panel can be recorded onto your home videos, directly from your CDTV. The comics have been specially chosen to introduce every family occasion—Mother's Day, Halloween, birthdays, and more. Design and compose your own home movie title screens, with your choice of typeface and background graphics, with the Custom Title Lab, for use with or without The Family Circus comic art. Use the Sound Studio to produce dozens of easy-to-use sound effects, all ready to dub. Improve your video skills in minutes with the 10 Commandments of Better Home Videos, an illustrated 'how to' segment. The Video Workshop is scheduled for an October 1991 release in English, with German, Italian, Spanish, French, and Japanese versions to follow. \$79.95 Context Systems, Inc., The Technology Center, 333 Byberry Road, Hatboro, PA 19040, (215) 675-5000

## The Fred Fish Collection CD ROM

The CD ROM contains the entire 530+ disk collection of freely distributable software compiled by Fred Fish. The collection is organized by disk making it possible to locate any file using existing indices to the collection. The disc also contains a high speed utility for producing Fish disks from the CD ROM in two minutes or less. The disc is updated every four months at a cost of \$29.95. Subscriptions available. Compatible with all ISO9660 CD ROM drives, Commodore's L690 CDROM, and the CDTV keyboard, mouse, and RGB monitor recommended. Workbench 2.0 compatible. \$74.95 HyperMedia Concepts, Inc., 5014 Campfire Lane, Racine, WI 53406, (414) 632-3766

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◆◆ **The Fred Fish Collection OnLine CD ROM**  
The CD ROM contains the entire 530+ disk collection of freely distributable software compiled by Fred Fish. The collection has been compressed in LHARC format both by disk and program. Text files are included describing the collection. The disk is designed for use on BBS systems based on any platform. The disc is presetup for use as a Parnet node when used with CDTV. Path and file names conform to MS-DOS standards. Updated every four months. Subscriptions available. Special offer if purchased with The Fred Fish Collection on CD ROM. Workbench 2.0 compatible. \$69.95  
*HyperMedia Concepts, Inc., 5014 Campfire Lane, Racine, WI 53406, (414) 632-3766*

### The Illustrated Holy Bible

The Illustrated Holy Bible contains the complete text of the Old and New Testaments together with full color illustrations. Using the CDTV remote controller, the user can select any book or chapter of the Bible within seconds using a novel graphical display. A unique slide show option allows events in the Bible to be located simply by looking for the illustrations. Features include easy-to-use graphical display, complete text of Old and New Testament, full-color illustrations, powerful instant search facilities, and bookmark facility. \$49.95  
*Animated Pixels, Albemarle House, Osborne Rd., Southsea, Hampshire, PO5 3LB United Kingdom, (011) 4470-529-1866*

### The New Basics Electronic Cookbook

The Silver Palate library of recipes—1800 strong—drawn from a set of three books have sold in aggregate over 4.5 million copies. The recipes and the informed asides of the two well-known authors, Shirlee Rosso and Sheila Lukens, are accessible through a simple screen presentation. These are designed to allow you to choose recipes by the specific food ingredients they employ. You can select recipes for an appropriate meal-time or special occasion. Richly enhanced with full-color photos of over 450 recipes and their ingredients with voice-overs by the authors. \$59.95  
*Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034, (213) 841-2790*

### The New Grolier Electronic Encyclopedia

Take the definitive encyclopedia text—Grolier's Academic American Encyclopedia. Add the multimedia elements of historical pictures, detailed maps, colorful illustrations, life-like sound all stored on a single CD. Access it via the CDTV remote control and you will have the most versatile house reference tool yet. This disc makes the use of an encyclopedia a totally new, fun-filled experience for the entire family. \$395.00  
*CDTV Publishing, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆ The Paper Bag Princess

Once upon a time a beautiful princess and a handsome prince lived in a castle. Suddenly the castle is destroyed by a fierce dragon, the prince is carried away, and the princess is left with only a paper bag to wear. This story has all the elements of a traditional fairy tale but with a contemporary twist—the princess is the heroine. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

### ◆ The Tale of Benjamin Bunny

Benjamin Bunny and his cousin Peter Rabbit visit Mr. McGregor's garden to retrieve Peter's clothes—left there on a previous visit. Their expedition is going well—until they are trapped by a nasty cat. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-

in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

### ◆ The Tale of Peter Rabbit

This is the classic tale of naughty Peter Rabbit, written and illustrated by Beatrix Potter. Follow Peter as mean Mr. McGregor chases him around the garden, into a gooseberry net, and even through a window. As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$59.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

### The Terminator

Set in present day Los Angeles, The Terminator is the story of an unstoppable cyborg sent back through time from a nightmare future where machines rule the earth to destroy the mother of the one man who might yet save mankind. \$59.95  
*Bethesda Softworks, 15235 Shady Grove Road, Suite 100, Rockville, MD 20850, (301) 926-8300*

### ◆ Thomas' Snowsuit

Children and adults—especially those who have tried to get feisty kids into clothes they don't want to wear—will appreciate the story of Thomas' Snowsuit. Watch how everyone tries to get Thomas into his detested new snowsuit, and see how they all end up wearing it instead! As with any of the Discis Books, you can ask it to read your favorite passages, to explain or pronounce unfamiliar words, and even to identify objects in the accompanying pictures. The wide range of built-in educational options includes music and sound effects to enhance reader appreciation, and optional Spanish pronunciation. AmigaDOS 2.0, NTSC, and PAL compatible. \$49.95  
*Discis Knowledge Research, 45 Sheppard Ave. East, Ste. 410, Toronto, Ontario, Canada M2N 5W9, (416) 250-6537*

### Time Table of Business Politics and Media

Timetable of Business Politics and Media is an exploration title devoted to the energies invested in the acquisition of wealth, power, and knowledge over man's history. It boasts 6,000 stories, thousands of quotes, images, reproduced documents, and a rich environment of multi-media effects. It contains animated maps showing where every event occurred, scanned images of the key documents in history, and an array of additional effects including audio. Material on the crisis in the Persian Gulf makes this an especially valuable disc to add to your collection. \$59.95  
*Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034, (213) 841-2790*

### Time Table of Science and Innovation

An exploration of the history of science and technology, boasting 6,250 stories, thousands of graphics, and a rich environment of multimedia effects. Includes an animated map showing where every event occurs, a visual liftoff from the surface of the earth showing the altitude of aviation and space events and a host of other similarly exciting effects. Audio presentation is included for key events. All entries are cross-referenced by topic. You can follow your own paths of interest through this immense body of knowledge, using the timeline and 'hot word' interaction. \$59.95  
*Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034, (213) 841-2790*

### ◆ Town with No Name

Once upon a time, in the west, on the edge of an arid desert stood the Town with No Name. The Hole in the Head gang had been running pretty wild, shooting up the place and terrorizing the neighborhood. When the ring-leader's kid brother took on the silent stranger who rode in at sunrise, he bit off more than he could chew. The first of the notorious

outlaws bit the dust. Now Evil Ebe and his gang, Massive Jake, Wildcard Mcvee, and Bad Bad Bart, had it in for the Town with No Name and all the peace-loving folk living there. Only the Lone Stranger stood between them.  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114*

### ◆ Trivial Pursuit

Trivial Pursuit comes to life with full color digitized pictures, superb animated graphics, stereo music and special sound effects accompanying 2000 of the most trivial and irrelevant questions. The questions are spoken by well known celebrities; amazing photographs accompany each question—but don't be fooled, they may not provide the answer; intriguing sound and music questions—classic, pop, and jazz. Pure fun and enjoyment for all ages and players.  
*Domark, Ferry House, 51-57 Lacy Road, Putney, London, SW15 1PR England, (011) 4481-780-2222*

### ◆ VAXL Highband

VAXL Highband is a partial screen motion video production system which will produce frame accurate lip synced digital video from any video deck supporting the Sony S9 Protocol (eg BVU 9850s). The files are created automatically after you have set in and out points. Comprises software and controller. VAXL files may be utilized within Interplay CDTV or Interplay Amiga productions. NTSC/PAL compatible. 1MB RAM and a hard disk required. Price TBA. Available December 1991.  
*Optonica Ltd., 1 The Terrace, High Street, Lutterworth, Leicestershire, England LE17 6BA, (011) 4445-555-8282*

### Wayne Gretzky Hockey-2

Wayne Gretzky Hockey-2 simulates every aspect of the game from penalties and power plays to sudden death overtime and instant replays. Create your own players. Make up your own teams, load and save them, or use any of the special teams provided. Set each player's level of performance at any of 11 skill categories. Customized options allow you to control the dual game speed, multiple difficulty levels, practice time, adjustable period lengths and more. With Wayne Gretzky Hockey-2, you control any player, coach from the bench, or let Wayne coach while you watch the action from the stands. Overhead, real-time graphics let you experience the finesse of a feather pass, the thrill of a last second save, or the impact of the bone-crunching body check. \$59.95  
*Bethesda Softworks, 15235 Shady Grove Road, Suite 100, Rockville, MD 20850, (301) 926-8300*

### Women In Motion

On-Line is proud to present Women In Motion, an encyclopedia of movement. These historic photographs are one of the great monuments of 19th Century photography and have never been superseded. This product gives a unique insight into the moving form. You can examine each frame of animation, print it out, or load it into an art package and work with it. Contains nudity—parental guidance suggested. Ideal for artists and film buffs. \$50.00  
*On-Line Entertainment, 642A Lea Bridge Road, Leyton, London, E10 6AP England, (011) 4481-558-6114*

### World Vista Atlas

World Vista is the first multimedia world atlas incorporating full color, fully featured maps, photographic images, high quality audio, and text. World Vista includes high definition maps from Rand McNally, over 1,000 professionally-photographed images, music from the Smithsonian Institution, and examples of over 60 foreign languages with on-screen translation. \$79.95  
*Applied Optical Media Corp., 1450 East Boot Rd., #400, West Chester, PA 19380, (215) 429-3701*

### Wrath of the Demon

Wrath of the Demon combines state of the art multi-level parallax scrolling with spectacular graphics, animation and playability to bring you what is sure to be one of this years hottest graphic adventures. You are on a quest to rid the kingdom of an evil Demon and his minions, rescue the princess and restore honor to your King. Your quest will lead

you through caves, swamps, temples, and castles before reaching your ultimate challenge...the Demon himself. Wrath of the Demon contains over 3MB of graphics data, 600 screens of action, 1400 frames of animation, more than 100 colors on screen and over 100 monsters, some larger than half the screen. \$49.95  
*ReadySoft, Inc., 30 Wertheim Court, Unit 2, Richmond Hill, Ontario, Canada L4B 1B9, (416) 731-4175*

## Xenon 2: Megablitz

No one likes a bad loser. And no one comes more universally despised than the Xenites. For a thousand years they have been plotting revenge for their humiliating defeat in the last Galactic Conflict. Now they are back and the very fabric of time is in danger. Only you can save the day—not to mention the Universe. The CDTV version offers the player a choice of 12 tracks from artists such as Betty Boo, Bomb the Bass, S Express, and Baby Ford. Digitized pictures and biographies of the featured artist will be included. Other additions include enhanced in-game sound effects, an integral manual which contains further animations, and a chance to hear Crispin, the infamous shopkeeper speak. There is also a choice of five languages for the manual and in-game text: English, French, German, Italian, and Xenitese. (The latter is for any aliens who may wish to play the program). \$49.95  
*MirrorSoft, Irwin House, 118 Southwark St., London, England SE1 0SW*

## ◆ ◆ CDTV ACCESSORIES ◆ ◆

### ◆ AirMouse Remote Control

Two-button point-and-pick remote mouse for controlling interactive video presentations. No wires. Battery operated. User can be up to ten meters from the large monitor, or projection screen. Replaces the computer mouse or CDTV remote control. Requires AmigaDOS 1.3 or later. Available for NTSC. \$595.00  
*Selectech, Ltd., 30 Mountain View Drive, Colchester, VT 05446, (802) 655-9600*

### ◆ AnaMouse

Circuits and Software's Anamouse analog joystick adapter allows you to use most IBM-style analog joysticks with A500, A2000, A3000, and CDTV as an

alternative to the Amiga mouse. Anamouse and support software is available now. \$19.95  
*Circuits and Software, 1052 Estates Court, Stockbridge, GA 30281, (404) 389-3875*

### Bookshelf Speakers

A matching set of high quality, sleek black stereo speakers with built-in audio amplifiers; connector cables included. To be released. CD1410  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆ Brick-ette

The Brick-ette is a hardware device which allows you to hook up any wired mouse—and any joystick or trackball—which would normally be used with the A500/1000/2000/3000, to the new Commodore CDTV. Features real-time mouse and joystick operation, dual fire button compatible, complete 8-bit micro-processor built in, simple installation—plugs into the Remote port. \$49.95  
*Ricketts Inc., 8611 E. 63 St., Derby, KS 67037, (316) 788-9204*

### CD1200 Trackball Controller

The Trackball controller increases the speed and control for fast interactive multimedia titles. With a trackball mounted in a weighted base and dual joystick connectors, the Trackball Controller is ideal for fast-moving programs that require instant decision-making. You can also plug in your favorite joystick and use it to operate your CDTV player. Commodore's Trackball Controller operates by either infrared remote control or by the plug-in cable provided. Available Summer 1991.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### CD1252 Remote Control Mouse

The Remote Control Mouse gives you real mouse control over your CDTV player without wires or cables. A two-button mouse, it is excellent for fine, fast control of CDTV titles such as painting and drawing titles. It has sleek styling in moulded black plastic and includes a battery-saver feature. Available Summer 1991.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### CD1400 CD Caddies

Set of two black caddies to hold and protect CDTV Multimedia, CD-ROM, and audio CD titles.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Game Controller

This infrared transmitter 'brick' has ports for wired joysticks; includes battery saver and optional wired connector.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### Keyboard Adapter Cable

Circuits and Software's CDTV Keyboard Adapter Cable allows you to connect any A2000 or A3000 series keyboard to Commodore's CDTV interactive multimedia machine. The six-foot cable is available now. \$19.95  
*Circuits and Software, 1052 Estates Court, Stockbridge, GA 30281, (404) 389-3875*

### Personal Memory Cards

The CDTV Personal Memory Cards are a convenient way to save information for later use. Selected CDTV titles make use of the Personal Memory Card for saving position, scores, selected pictures, text, and other functions. Available in 64K (CD1401) and 256K (CD1405). To be released.  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

### ◆ Tote CDTV

Tote CD is designed to carry ten CDTV disks/CD ROM disks/Audio Compact disks. Made with 3/16-inch foam, bonded to shell. Shell made out of water repellent Nylon Pack cloth. Lines made out of 200 Denier Nylon Oxford. Lifetime warranty. Colors: black, navy, mauve. \$13.90  
*D.J. Distributing, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208*

### Video Genlock Cards

The CDTV Genlock Cards let you combine CDTV visuals with video from a videocamera, videotape, or live television, and record the combined signal to a VCR. The Genlock mode is switchable between Video-Only, Combined (CDTV + video), or CDTV-Only. It can be controlled by the standard CDTV remote controller. Commodore's Genlock gives you instant control for many home and industrial video uses. Available in NTSC (CD 1300) and PAL (CD 1301).  
*Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100*

## Coming Soon...



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# Accessories & Services

## ❖ ❖ ❖ ACCESSORIES & ❖ ❖ ❖ SERVICES GENERAL

**12-inch Interactive Laser CheckDiscs**  
Future Touch provides production of laser checkdisc to CAV standard from one-inch or D2 tape source within 48-hour turn-around. \$300.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 118.**

**Audio 2000**  
Stereo amplifier for the A2000. Features true stereo, 100% separation with front dual volume controls and headphone jack. The main amplifier board fits in the IBM-type card slots. Works with any software. \$175.00  
*Day's, 17538 Glen Road, Gambier, OH 43022, (614) 397-5639*

**Audio DC AMP**  
Direct coupled amplifier for positioning systems. Two outputs with 255 voltage levels. A ten-turn adjust for gain and offset. Output range +5 volt. A plug-in unit for the A2000 and adaptable to the A1000 and A500. \$145.95  
*Day's, 17538 Glen Road, Gambier, OH 43022, (614) 397-5639*

**BBi-Battery Backup**  
The BBi Battery Backup is a power control center with a standby battery unit built in. This can save countless hours of work by allowing you to save files after power loss. \$499.95  
*Corwyn International, 977 Seminole Trail, Charlottesville, VA 22901, (804) 974-1690*

**Cables & Switch Boxes**  
Specialize in custom monitor cable configurations, switch box set ups, cables for Amiga, FlickerFixer, FrameGrabber, Freeze Frame, Amiga to Digital monitors. Super VHS cables, parallel and serial cables, Toaster/Digiview cables, etc.  
*Redmond Cable Corp, 17371 A1 NE 67th St., Redmond, WA 98052, (206) 882-2009 West*

**Carrying Case**  
The A500 bag is targeted towards the Amiga user on the go. The A500 bag will support the CPU, power supply, mouse, and two slim line 3.5-inch floppy drives. Under the CPU there's room for a legal size pad, mouse pad, pens, and diskettes. On the outside of the bag there is a pouch to hold magazines, papers, etc. The A1084/1950 bag is designed to accommodate either series of monitors with their respective cables.  
*Left Hemisphere, Casey Booney III, N. 1825 Ash St., Spokane, WA 99205, (509) 325-0115*

**Infrared Remote Controller**  
Edu-Vid's IR Remote Controller is primarily a hardware package. It does come with software to demonstrate its uses. It is designed for people who program in BASIC, Assembler, or C to produce application programs. The package includes the remote controller, a cable to connect it to the parallel (printer) port of the Amiga 500 or 2000 (the 1000 requires an adapter), two cables to connect it to the VCR, a 3.5-inch disk with programming examples, and a user's manual. \$199.95  
*Edu-Vid Research, P.O. Box 149, Pembina, ND 58271, (204) 668-2062*

**Interactive Laser CAV Masterdiscs**  
Future Touch provides production of laser masterdisc to CAV standard from one-inch or D2 tape source within 72 hour turnaround. A 12-inch single-sided CAV Master: \$1845.00. A 12-inch replicated single-sided disc: \$9.50 each.  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 118.**

**Interactive Laser CLV Masterdiscs**  
Future Touch provides production of laser masterdisc to CLV standard from one-inch or D2 tape source within 72-hour turnaround. A 12-inch CLV single-sided Master \$2295.00. A 12-inch replicated single-sided disc: \$12.50 each.  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 118.**

**Plexiglass case for the Amiga 2000**  
Limited edition — only 50 cases will be built! Eye-catcher at every show or fair. Highest quality materials used. 8mm Plexiglass case and totally see-through.  
*Advanced Computer Design, Carl Schurz-Str.11, D-2800 Bremen 1, West Germany, (011) 4942-1349-9517*

**Portal UUCP Connection**  
Portal's UUCP Connection allows Amiga users to receive direct feeds of electronic mail and Usenet news. Email access enables direct connections to hundreds of thousands of computer users on thousands of public and private networks. The Usenet is a distributed conferencing system used by 1.5 million people all over the world to share information on thousands of technical and non-technical topics. With UUCP protocols, the user's computer can be set to call Portal at specific intervals for exchange of data. The user can then read mail and news from his own system, offline. Usenet feeds can be tailored to specific newsgroups according to the subscriber's interests. Optional support services allow the user to get telephone help with installation and maintenance of the UUCP connection.  
Amiga 500, 1000, 2x00, 3000. Requires 512K (more recommended), 1 floppy drive (hard drive recommended), AmigaDOS 1.3 or later, and a modem (1200 baud min, 9600 recommended). \$34.95/month plus \$1.95/hour basic service. \$95/month plus \$1.95/hour, supported.  
*Portal Communications Co., 10385 Cherry Tree Lane, Cupertino, CA 95014, (408) 973-9111*

**PresentTime**  
PresentTime is a wireless, handheld controller that enables users to control professional presentations from any location in the room. Specifically designed for use with AmigaVision and other authoring software, PresentTime allows full control of computer mouse and user-programmable function keys from remote locations. \$249.00  
*Amigo Business Computers, 192 Laurel Road, E. Northport, NY 11731, (516) 757-7334*  
**Please see display ad page 118.**

**The Computer Club's Brand Foam Bat**  
Foolproof, 100% bug-free, 18-inch foam rubber bat. An intuitive user interface, it requires no technical knowledge of computers. Eliminates frustrating software and hardware bugs forever! A 100% compatible computer accessory! (Free with any software order. Limit one free per customer). \$5.95  
*Computer Club Co., The, P.O. Box 221194, Chantilly, VA 22022, (703) 968-7588*

**◆ The Portal Online system™**  
The Portal Online System is a full-service online system featuring the critically acclaimed Amiga Zone. Amiga users can access nightly live conferences with Amiga industry experts and personalities, thousands of downloadable files, contests and prize giveaways, vast message bases, and vendor support areas. Portal is the only national service that offers the entire Fred Fish disk collection online. 1.6 gigabytes have been reserved exclusively for Amiga files. Other Portal features include global Internet email, z-modem file transfers, and access to the Usenet conferencing system at no additional charge. Portal can be reached by direct dial, local Telenet nodes, or PCPursuit. Accessible from over 70 countries using Public Data Networks of the host countries. Requirements: Any Amiga running any communications software. Also requires a modem (300, 1200, 2400, 9600 baud) and a telephone line. \$13.95/month, \$19.95 Startup fee.  
*Portal Communications Co., 10385 Cherry Tree Lane, Cupertino, CA 95014, (408) 973-9111*

**◆ Tote 1084/1950**  
Designed to protect and transport the Commodore 1084 or 1950 color monitor and cables. Made out of 1000 Denier water-repellant Cordura 3/4-inch high density shock absorbing foam. Comes with adjustable, detachable, padded shoulder strap. Cushioned wrap around handles. Lifetime warranty. Colors: black, navy, gray. \$72.90  
*D.J. Distributing, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208*

**◆ Tote 500-3000**  
These totes have been especially designed for protecting and transporting the Amiga 500, 2000/2500, or 3000, power supply, mouse, external drive and several 3.5-inch disks. Made out of 1000 Denier water-repellant Cordura, 3/4-inch high density shock absorbing foam. Comes with adjustable, detachable, padded shoulder strap, cushioned wrap-around handles. Lifetime warranty. Colors: black, navy, gray. Priced from \$69.90 to \$86.90.  
*D.J. Distributing, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208*

**Video Transfer Service—Video Production**  
Full .75-inch production service. Transfer Amiga graphics to videotape: .75-inch, VHS, S-VHS, Beta, M-II. Send self-addressed, stamped envelope for rate sheet. NTSC only.  
*Pixel Vision, 7415 N. Winchester, Chicago, IL 60626, (312) 761-6620*

## ❖ ❖ ❖ ACCESSORIES ❖ ❖ ❖ WORKSTATIONS

**Carpal.Eez**  
An effective method of ergonomic intervention, Carpal.Eez butts right up against the front edge of the keyboard and fits snugly and securely under it. This new biomechanical aid provides the needed support and a safer wrist angle to help reduce ligament-straining repetitive wrist motions while operating the computer. Carpal.Eez also assures comfortable hand and wrist action. It fits any size computer keyboard, even laptops. Two models are available: a padded model and an anti-static padded model with a ground wire connector that instantly dissipates data-demonizing electricity. Three adjustment levels to assure proper wrist support angle. The standard model is \$27.95; the anti-static model is \$34.95.  
*Viziflex Seels, Inc., 16 E. Lafayette St., Hackensack, NJ 07601-6895, (201) 487-8080*

**Chromalux**  
Distributor of complete line of long-life, full spectrum (sunlight-simulating) incandescent, fluorescent, and halogen lights. Chromalux bulbs relieve eye strain, fatigue, and SAD (seasonal depression), show true color and increase productivity. Chromalux bulbs fit into standard lamps and fixtures, and are available in all popular sizes and styles. Free catalogue.  
*Westgate Enterprises, 2210 Wilshire Blvd., Ste. 612, Santa Monica, CA 90403-5800, (213) 477-5891*

**Computer Coverup, Inc.**  
Computer Coverup, Inc. has added more than 200 new models to its wide line of attractive clear vinyl dust covers. For further information on Computer Coverup's dust covers and other products, contact the company.  
*Computer Coverup, Inc., 2230 S. Calumet, Chicago, IL 60616, (312) 326-3000*

**Covergear**  
A new deluxe series of nylon dust covers that span virtually the entire range of computers, keyboards, printers, and monitors. Covergear is silver with coordinated blue piping. Features drawstring that secures and shapes cover snugly, a special built-in stuff sack that allows for neat, convenient storage. Water-resistant, stain-resistant, anti-static nylon. Contact company for price quote.  
*Computer Coverup, Inc., 2230 S. Calumet, Chicago, IL 60616, (312) 326-3000*



# Accessories & Services

## ◆ Disc Tote

Disc totes are designed to carry 12 3.5-inch disks (\$13.90) or 20 5.25-inch disks (15.90). Both are made with 3/16-inch foam bonded to shell. Shell is made out of water repellant Nylon Pack cloth. Lines made out of 200 Denier Nylon Oxford. Lifetime warranty. Colors: Black, Navy, and Gray. D.J. Distributing, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208

## Floppy Disk Holder

Disk holder mounts to front or side of 1000, 2000, 2500, 3000 Amigas. Keeps your disks off the table and within easy reach. Stackable. Black acrylic. Write for information. Victor Osaka, 1341 Ocean Ave. #349, Santa Monica, CA 90401

## ◆ Glare Shield

New aerosol plastic shield for VDT and television screens reduces glare, reflection, and ultraviolet emissions. One application provides a permanent coating. Supplied in a a three-ounce aerosol can, Glare Shield contains no fluorocarbons and is easy to apply.

Computer Safety Products, 5440 S.W. Westgate Dr., Ste. 250, Portland, OR 97221, (503) 293-3081

## Great Cover-Ups

Clear, frosty, high-quality, sewn custom dust covers for computers, printers, and most peripherals. Great Cover-ups, P.O. Box 751, Oregon City, OR 97045, (503) 655-0602

## ◆ Keyboard Kaddy

When you need additional desk space, the Keyboard Kaddy holds your keyboard securely on top of the monitor. Made of strong and attractive smokey plexiglass, the Keyboard Kaddy will help you get your keyboard, or other objects, off your desk. The Keyboard Kaddy is a high-value solution to your computer workspace. Additional Ideas, Inc., 1083 McMillan St. NW, Atlanta, GA 30318, (404) 872-6151

## Keyboard Wrist Rest

AliMed's new extension Wrist Rest can be used with those keyboards that come to the very edge of the desk or keyboard stand. An extension plate slips under the keyboard and is held in place by the supplied Velcro attachments. Tingling fingers, tired wrists, and associated pain can be eliminated with Keyboard Wrist Rests. Wrist Rests can help avoid wrist stress by holding the wrist in a more natural, strain-free position. Available in three sizes: half-inch, one-inch, and two-inch. \$19.95 AliMed, 297 High Street, Dedham, MA 02026, (800) 225-2610

## ◆ Komfort Wrist Rest

Komfort Wrist Rest provides protection from Carpal Tunnel Syndrome and Repetitive Strain Injury for those people spending long hours at their computer keyboards. The Komfort Wrist Rest is a two-piece assembly consisting of a base and adjustable foam support. The base is designed in molded high impact thermoplastic with four sets of tracks. The support cushion is bonded to a metal plate. The plate is then inserted into the tracks at the desired height. \$35.00

[M] Enterprises, 22855 Lake Forest Drive, Ste. E202, Lake Forest, CA 92630, (714) 472-4409

## ◆ Laser Disc Tote

Laser Disk Tote is designed to carry most Laser Disk Players available today. Made with one-inch high density shock absorbing foam. Shell is made with 1000 Denier Cordura. Colors: Black, Gray, Royal. Lifetime warranty. \$73.90 D.J. Distributing, P.O. Box 654, Bountiful, UT 84011-0654, (801) 299-1208

## MONITOR STAND

Monitor stand for the A500. Extra strong (solid 0.75-inch kiln-dried oak or pine). Extra wide (26-inch W X 11-inch D X 5.75-inch H). It is very durable, clear, and with a satin finish. Mail orders: Pine \$32.26/ea, Oak \$38.42/ea. CompuTerm Company, P.O. Box 77, Oakhill Road, North Bridgton, ME 04057, (207) 647-8115

## MS-500 Monitor Stand

Fits over the back of the Amiga 500 to provide a place to set the monitor. Ideal for today's multimedia presentations and demonstrations. Hides all of the A500's cables and makes for a very professional display. \$35.95 Micro R & D, Div of Applied Technologies, Inc., 137 N. 7th Street, Loup City, NE 68853, (308) 745-1243

## Mouse Tune

Mouse Tune is a universal mouse cleaning tool for use with virtually all computer mice. T.S.R. Hutchinson, 110 W. Arrowdale, Houston, TX 77037, (713) 448-6143

## Mouse Wash 2500

A specially designed acrylic ball that has a texture design to grab the dirt and grime build-up on the rollers without scratching them. Needs no chemicals that may damage your mouse. \$7.95 T & L Products, 2645 Wilson Street, Carlsbad, CA 92008, (619) 729-4020

## PANIC button

So when the phone won't stop ringing and the boss is in a bad mood, just push the Panic button. The bright red computer key is imprinted with the word 'Panic.' The button's adhesive backing allows it to mount easily on any computer or typewriter keyboard, so it will always be handy when the day reaches a frustrating level. Buttons are available for \$1.00 plus a self-addressed, stamped envelope. Memory Makers, 3024 Haggin Street, Bellingham, WA 98226, (206) 734-9506

## Rat-Pad!

A mouse pad that is 10-inch x 12-inch. Gives your mouse room to roam. \$11.95 T & L Products, 2645 Wilson Street, Carlsbad, CA 92008, (619) 729-4020

## Stereo Audio Speakers (A10)

Stereo Audio Speakers with built-in amplifier for attachment to the audio outputs of the Amiga. \$39.00 Commodore Business Machines, 1200 Wilson Drive, West Chester, PA 19380, (215) 431-9100

## The Ergotron Design Station

Free-standing design station rescues valuable desk space. Place the CPU on the adjustable shelf, which can be adjusted six inches vertically. Suspend the monitor above the desk using the workstation's hydraulic Radial Arm, which provides 20 horizontal, 20° tilt, and 360° rotation. Models in 25-inch and 30-inch widths, and 64-inch, 70-inch and 78-inch heights.

Ergotron, 3450 Yankee Drive Suite 100, Eagan, MN 55121, (800) 888-8458

## The Ergotron Workstation Suspended Radial Arm Computer

Workstation designed to save valuable work space by suspending the monitor and processor above the work surface. Provides shelf for the processor and a radial arm that suspends the monitor above the desktop. The pivoting arm lets the user adjust the monitor to any position and provides a six vertical adjustments, 20° tilt, and 360° rotation with the touch of a hand. Models in 25-inch and 30-inch widths, and 64-inch, 70-inch, 78-inch heights. Ergotron, 3450 Yankee Drive Suite 100, Eagan, MN 55121, (800) 888-8458

## ◆ Touch It Static Mats

This product is designed to protect computers, printers, and other sensitive electronic equipment from harmful static electric charges. The user simply touches the mat before touching the computer or peripherals and it dissipates any electric charges through its grounding cord instead of through the computer system. Touch It static mats come in four sizes, 10-inch x 20-inch, 18-inch x 18-inch, 18-inch x 24-inch, and 24-inch x 26-inch. They feature a non-skid mat that fits under any system and an eight-foot snap-on ground cord. The product carries a suggested retail price of \$16.96 to \$29.95, depending on the size of the mat. Computer Coverup, Inc., 2230 S. Calumet, Chicago, IL 60616, (312) 326-3000

## Universal Mouse/Joystick Switch

Allows two devices to be plugged into the same mouse/joystick port. Then either device can be used at the flick of a switch. Works on all computers including Amiga. Since all lines are switched, it is safe to connect and disconnect devices with the computer on. \$29.95

Micro R & D, Div of Applied Technologies, Inc., 137 N. 7th Street, Loup City, NE 68853, (308) 745-1243

## VDS120

Vertical disk storage unit, large capacity, wall-mountable, organizing compartments. Holds over 120 3.5-inch disks. \$29.95 Vertical Solutions, P.O. Box 7535, Olympia, WA 98507, (800) 942-4008

## VDS240

Vertical disk storage unit, large capacity, wall-mountable, organizing compartments. Holds over 240 3.5-inch disks. \$49.95 Vertical Solutions, P.O. Box 7535, Olympia, WA 98507, (800) 942-4008

## Video-Link

Remote control for VIVA II with ARexx interface. Add the capabilities of interactive video to your favorite software program. Video-Link provides control of laser disk players either through Workbench or ARexx interface. Extend AmigaVision and CanDo abilities to include control of consumer laser disk players. \$49.95 MichTron, 3201 Drummond Plaza, Newark, DE 19711, (302) 454-7946

## ◆ Wrist Support Line

WRIST PAD-\$11.95-is constructed of durable nylon and sponge rubber padding for comfort and support. Its non-skid surface stays in place letting hands rest naturally in the proper keying position. WRIST RELIEF-\$19.95-is a vinyl-covered, padded rest supported by durable styrene for stability and comfort. Specially designed feet prevent slippage. WRIST RELIEF PLUS-\$24.95-features a vinyl-covered padded rest that fits into a durable styrene tray. When a user places the keyboard on WRP, the hands rest naturally in the proper keying position. This deluxe version features specially-designed rubber feet to prevent slippage during use. Computer Coverup, Inc., 2230 S. Calumet, Chicago, IL 60616, (312) 326-3000

## ◆ WristMate

An elevated, cushioned support which helps align wrists to the computer keyboard. Computer operators can relax muscle tension in wrists, arms, shoulders and neck to ease the discomforts of repetitive motion tasks. \$49.95 Optical Coating Laboratory Inc (OCLI), 2789 Northpoint Parkway, Santa Rosa, CA 95407-7397, (800) 545-OCLI (6254)

## ◆ ◆ ◆ SERVICES ◆ ◆ ◆

### 3-Dimensional Video Service

3-D rendering service using the Video Toaster and DCTV. We will render your animations in 24-bit color and record them to high quality video tape. 3-Dimensions, 1845 Doris Dr, Menlo Park, CA 94025, (415) 327-5539

### 35mm Color Slide Transfer Service

Ultra High Resolution 35mm Color Slides of IFF, HAM, and 24-bit IFF Bitmap pictures, and Photographic-Quality Color Postscript Slides created with Structured Drawing and/or Color Desktop Publishing programs. Over 4000-line resolution for sharp, clean images with no scanlines, no curvature distortion, and brilliant color. FREE samples on request.

Hammond Photographic Services, 11280 Washington Place, Culver City, CA 90230, (213) 390-3010

### 35mm Slides

35mm slides of your Amiga artwork. Converts all IFF files distortion-free with raster lines filled. HAM files also converted. Jet printouts from Sharp JX730 from IFF files also available. Custom graphics and illustration. Send for price list.

Tru-Image, P.O. Box 660, Cooper Station, New York, NY 10276, (212) 777-7609

### ◆ ALL PRO Film/Video Productions

Computer graphics and animation services. Single frame animation, high resolution slides, and 1200 and 2400 DPI Postscript. ALL PRO also offers full video production and post-production facilities and services. Featuring digital effects, video editing and transfers, location crews, titling, sub titling, 2-D and 3-D animation, paint box, real time animation, and full graphic design support. ALL PRO Film/Video Productions, 124 West 60th Street, New York, NY 10023, (212) 489-5780

### Amiga Animation and Graphics Services

AniGraphics provides full service animation and computer graphics development for entertainment and education software developers. Services range from early conceptual development to finalizes screens, performed by a staff of artists with years of experience in the software industry. AniGraphics has developed proprietary tools for high quality, inexpensive conversions between systems and resolutions. Our order placement system permits you to get precisely the images you want, quickly and on budget. AniGraphics, P.O. Box 179, Butler, WI 53007-0179, (414) 781-9581

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BIX is short for BYTE Information Exchange, the online service for people who know computers. BIX hosts a growing number of special-interest exchanges—such as Amiga exchange, the meeting place of Amiga users and developers from around the world—and BIX is the official home of Commodore Amiga Developers. In addition to our Amiga coverage, you'll find BIX covers specific hardware and their applications, software, programming languages, and operating systems. A BIX subscription also gives you access to software libraries containing thousands of downloadable programs, an up-to-the-minute industry news service, the text of BYTE magazine before its in print, private E-mail with binary-file capability, UNIX mail, and product-support conferences from more than 100 hardware and software vendors, and games and leisure activities. Subscription is for one-year, billed \$39.00 per quarter (telecommunications not included).  
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Manufacture all types of CD-ROMs. Formats available: CDTV, DVI, CD-ROM, CD-ROM/XA, Mixed Mode.  
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As both an Amiga educational dealer and a teacher using Amigas, Mr. Horan offers educational training, consulting and products from kindergarten through Grade 12.  
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*Genie (General Electric Information Services), 401 North Washington, Rockville, MD 20850, (800) 638-9636*

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Midwest Desktop is a commercial writing service specializing in technical and industrial companies. We can assist you in developing manuals, books, newsletters, reports, articles, press releases, spec sheets, product reviews, brochures, flyers, on-line documentation, proofreading, editing, page layout and design and beta testing.  
*Midwest Desktop, P.O. Box 26506, Green Bay, WI 54303-1146, (414) 434-9779*

## National Amiga Network System

BBS and information center for all aspects of the Amiga. Twenty-four hour service with on-line technical help and access open to all.  
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*Slide City, 6474 Highway 11, DeLeon Springs, FL 32130, (904) 985-1103*

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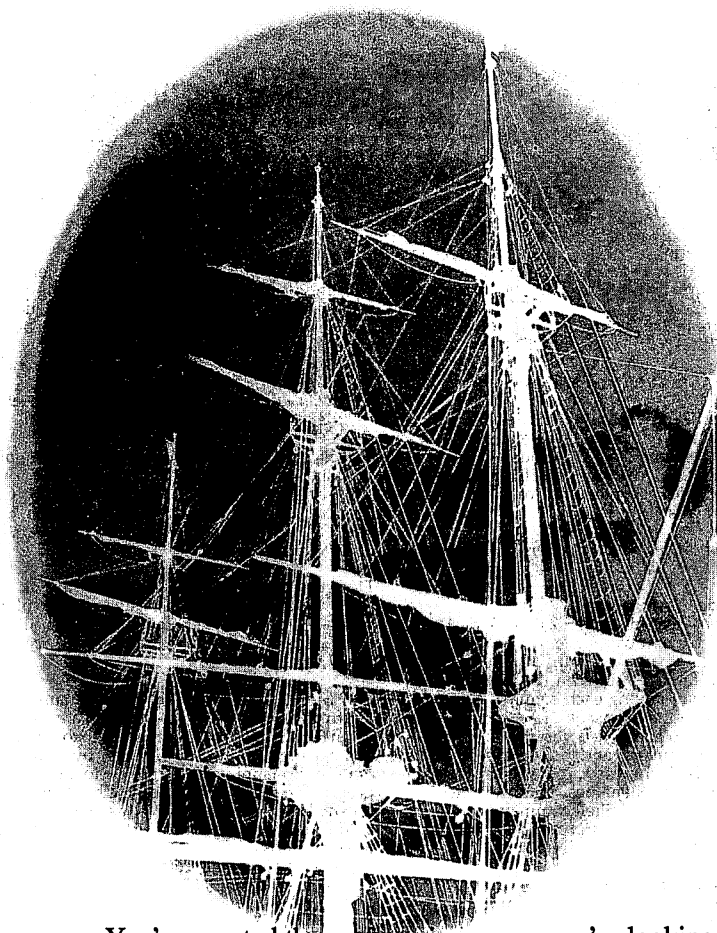
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# Books & Tapes

## ◆ ◆ ◆ AUDIO TAPES ◆ ◆ ◆

### Amiga Sings!

A 90-minute music cassette tape that demonstrates the creative use of the Amiga as a compositional and performance tool for musicians. Some of the works utilize the Amiga's internal voices and a library of digitized sounds, while others address the MIDI device developed by Marquis Music of Toronto—the MIDI Musicbox. The tape is accompanied by a sheet that details the various Amiga software used, and the motivation behind the compositions. \$15.00  
*EyeFullTower Comm. / EarfulTower Prod., 15 Rockydale, Bristol, VT 05443, (802) 453-4293*

### Amiga Sings! Again

Another 90-minute cassette of compositions that take advantage of the Amiga and a collection of software as the sequencing heart of the system. In addition to some selections utilizing internal voices, the music demonstrates the capacities of the MIDI 'music box' and a Yamaha TG33 sound module. All compositions are original and were recorded professionally; detailed info sheet completes the package. Available 3/1/92 \$15.00  
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### AmigaDOS 1.2 Tutorial

A training package for first-time Amiga users and anyone who has not experienced the power of the Amiga and its operating system. The user is taken through all stages necessary to become proficient in the use of this system. Consists of two self-instruction audio cassettes and handbook. \$49.95  
*INTOUCH TUTORIALS, 3001 Red Hill Avenue, Building 6, Costa Mesa, CA 92626, (714) 546-4814*

### Dungeon Master-The Album

Original sound track, composed and performed as background music for the game Dungeon Master. Set the mood for Dungeon Master play by putting this album on your home CD player. Available in compact disk format only. Works with CDTV. \$12.95  
*FTL Games, 6160 Lusk Blvd. C-206, San Diego, CA 92121, (619) 453-5711*

## ◆ ◆ ◆ BOOK/DOS ◆ ◆ ◆

### AmigaDOS 1.3 Reference Book

This 16-page reference book is designed for use as a guide to standard Amiga keyboard commands. Included are summaries of AmigaDOS commands, the ED editor's commands, standard AmigaDOS devices and assignments, which are arranged alphabetically, and Amiga Error Codes, which are listed by number. \$4.95  
*Computer Club Co., The, P.O. Box 221194, Chantilly, VA 22022, (703) 968-7588*

### AmigaDOS CLI Reference Book 1.2

This reference book is designed for use as a guide to standard Amiga Command Line Interface (CLI) usage. Included are summaries of AmigaDOS CLI commands, the ED editor's commands, and standard AmigaDOS devices and assignments. Eight pages. \$2.50  
*Computer Club Co., The, P.O. Box 221194, Chantilly, VA 22022, (703) 968-7588*

### ◆ AmigaDOS Manual, Third Edition

This 352 page manual covers all commands and functions of AmigaDOS, up to the latest release 2.04. The book has three parts: The User's Manual, The Developer's Manual, and The Technical Reference Manual. Each part is designed to help users at their appropriate level of expertise. Readers will learn about the subtle differences between the CLI and the Shell, the startup sequence, the script directory, directory and open library calls, the complete error codes and messages, and a complete glossary

of terms. Material for more advanced users includes using ALink, command line syntax, MAP and XREF output, overlaying, and reference guide to symbols. \$24.95  
*Bantam Electronic Publishing, 666 5th Ave., New York, NY 10103, (800) 223-6834 X9479*

### AmigaDOS Quick Reference Guide, Third Edition

Covers AmigaDOS version 1.3. Its easily understood tutorial and comprehensive reference guide takes the reader, step by step, through the intricacies of AmigaDOS. Thoroughly illustrated with practical examples. Presents each AmigaDOS command detailing its purpose, format, and parameter. \$21.95  
*Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408, (919) 275-9809*

### ◆ Fast Guide to Amiga CLI

A comprehensive AmigaDOS 2.0 book designed for quick reference. Covers every option of every AmigaDOS command, in both 2.0 and 1.3, and points out differences between the two versions. Examples accompanying each command descriptions cover various forms of the command and enable the user to get started very quickly, just by copying the command and modifying it to his application. Also includes sections on scripts, script directives, devices, filenames, pattern matching, redirection, piping, and Shell commands. \$8.95  
*Vidia, P.O. Box 1180, Manhattan Beach, CA 90266, (310) 379-7139*

### Introduction to AmigaDOS

Strong emphasis on visuals. Helps newcomers, as well as seasoned Workbench users, adapt to the Shell and CLI. Parallels are drawn from the Workbench environment in order to clarify Shell and CLI equivalents. Countless terms are defined with plenty of graphic examples. Provides user with a basic working knowledge of the Shell and CLI. \$29.95  
*Graphic Expressions, P. O. Box 110028, Nutley, NJ 07110, (201) 661-0408*

### Learn AmigaDOS All By Yourself!

A self-tutoring course in AmigaDOS. Covers all versions 1.0 to 1.3. We assume you know nothing about AmigaDOS to begin this course. Learn how to delete, copy, obtain directory listings, edit, execute, reliable, rename, search, sort, set up multiple CLI windows, use the built-in RAM disk, directing output to the printer, etc.! A shell version of AmigaDOS is also available for workbench 1.3 owners. \$24.95  
*Brantford Educational Services, 222 Portage Road, P.O. Box 1327, Lewiston, NY 14092, (519) 756-6534*

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### Adventure Game Hint Books

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*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

### Chaos Strikes Back! Adventurer's Handbook

Handbook has 100 pages of clues, spells, puzzle solutions and maps to help you through Chaos Strikes Back! This is the authority on Chaos. \$12.95  
*FTL Games, 6160 Lusk Blvd. C-206, San Diego, CA 92121, (619) 453-5711*

### Dungeon Master Adventurer's Handbook

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*Osborne/McGraw-Hill, 2600 Tenth Street, Berkeley, CA 94710-9938, (800) 227-0900*

### ◆ Falcon 3.0 Air Combat by Pete Bonanni

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Here is valuable support to players of the popular Advanced Dungeons & Dragons® computer game. This clue book contains advice, specialized charts, and game-winning procedures to aid in the triumphant trek to the city of Hillsfar. \$7.95  
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Contains everything you need to know to succeed at FTL's Chaos Strikes Back and more! Each highly detailed map has its own numbered object list, as well as a universal coordinate system to aid in tracking from map to map. Provides best strategy and tactics against every adversary in the game. Table of contents and numbered pages for quick reference. Valuable advice and outright giveaways! \$8.95  
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◆ New Product Listing  
● AmigaDOS release 2 Compatible (Vendor Verified)

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Now for the first time Space Questers can learn what goes on in the mind of the most legendary janitor in the universe. With this book, you'll accompany Roger Wilco, hero of Sierra On-Line's Space Quest series, as he stumbles into all sorts of ridiculous predicaments. Packed with the best hints and clues, readers will get complete maps of every Space Quest scenario, locations of all the inventory items, and Roger's walk-through to the finish of every adventure. There are some added bonuses, like what makes Roger tick, along with the identity of Roger's secret crush. Covers Space Quests I-IV. 272 pages. \$14.95  
*Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408, (919) 275-9809*

◆ **The Playmaster's Compendium: The Official Hint Book**  
A comprehensive clue book for Bane of the Cosmic Forge. By using the Compendium, players will be able to explore all the beginnings possible in the sequel, which are linked to the four different endings found in Bane.  
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top video market today. This includes extensive coverage of new products such as DCTV and the revolutionary Video Toaster from Newtek. It explains genlocks, digitizing, frame grabbers, hardware, software, and much more. 240 pages. \$29.95  
*Abacus Software, 5370 52nd Street S.E., Grand Rapids, MI 49512, (616) 698-0330*

## Amiga Desktop Video, 2nd Edition

A step-by-step instructional guide for both beginners and advanced artists to create their own desktop videos. A thorough description of how video and computer graphics work together. Includes important information about the new Video Toaster as well as eight pages of full color illustrations and up-to-date list of manufacturers and products. \$22.95  
*Compute Publications, 324 Wendover Ave., Ste. 200, Greensboro, NC 27408, (919) 275-9809*

## Desktop Video for Profit

Designed to show entrepreneurs how easy it is to earn money by producing and marketing 'guerilla' videos using low-cost video equipment and a home computer. This two-hour video tape provides a realistic approach to turning a video hobby into a very profitable career. The video includes sections on what types of video to produce, how to choose a video topic, how to secure profits before producing a tape, how to find people who want to buy your video productions, and how much to charge for them. Also covered are sections on setting up a low cost studio, selecting the right video equipment, getting tapes duplicated at the best price, and other secrets of the pros. Simple but effective demonstrations allow viewers to learn quickly by seeing it done. Desktop Video for Profit features Bill Myers whose desktop video productions have sold over 12,000 copies using the techniques presented in this tape. This tape is available from Group M Video for \$30. Additional information about this tape is available by calling (501) 321-1845.  
*Group M Productions, 321 Ouachita Ave., Hot Springs, AZ 71901, (501) 321-1845*

## Desktop Video: A Guide to Personal and Small Business Video Production

Covers all aspects of the desktop video business, from computers to video equipment, and how to put it all together. \$14.95  
*Harcourt, Brace & Jovanovich, 465 South Lincoln Drive, Troy, MO 63379, (800) 543-1918*

## The Amiga Desktop Video Workbook

A practical, complete, plain-English guide to teach you everything about video with your Amiga. From animation, staging, sound mixing, scripting to single-frame recording, plus a thorough, how-to guide to opening and running your own video production business. Also comes with a floppy disk containing video-specific programs. \$34.95  
*MicroSearch, Inc., 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818*

## ◆ ◆ ◆ VIDEO TAPES ◆ ◆ ◆ ENTERTAINMENT

### Sierra Video Catalogue

Preview Sierra's lineup of 1989-90 games in the comfort of your living room from a VHS cassette showing Sierra's best-selling line of entertainment software. With Sierra Video Catalogue, you can watch scenes from the latest Sierra games, complete with stereo soundtracks as played on a Roland MT-32 sound module. \$4.95  
*Sierra On-Line, P.O. Box 485, Coarsegold, CA 93614, (800) 326-6654 orders*

## ◆ ◆ ◆ VIDEOTAPES ◆ ◆ ◆ TUTORIALS

### 3D Cookbook Video

A low-cost, low-hype, introductory course to the Sculpt series of products. Explains the concepts of 3-D space and the use of the Tri-View graphical editing interface. Basic camera placement and lighting are also featured. \$24.95  
*Byte by Byte, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## ◆ Advance Techniques with DeluxePaint IV

The companion to The DeluxePaint Video Guide, this video demonstrates various tips and tricks for combining DPaint IV's different tools to achieve spectacular effects with professional results. The viewer is shown how to create effects such as 3D text, drop shadows, textures, color cycle animation, professional titling, and much more. Amiga artists can create high-quality graphic and animations quickly and easily after viewing the video. \$29.95  
*Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## Amiga Encyclopedia On A Video

If you must know about the latest and best software developments, here they are presented on a convenient full-color and sound VHS video. How-to demos of art, music, games, desktop publishing, education, and business software. Fully Amiga-produced. \$39.95  
*Video Advantage, Dept. BG, 1229 Poplar Avenue, Mountainside, NJ 07092, (201) 233-8659*

## Amiga Graphics

This 54-minute video explores the advantages and disadvantages of the most popular paint programs. It illustrates interlace functions and instances when HAM should be used. It includes three intensive sessions on fonts, clip art, and digitizing. \$29.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## Amiga Instruction Course

Basic, beginner's guide to set-up and start-up of Amigas. Workbench and CLI instruction on a 90-minute VHS, Beta, or PAL. \$29.95  
*Clackamas Computers, 16140 SE. 82nd Dr., Clackamas, OR 97015, (503) 650-0379*

## ◆ Animation 101

Animation 101 is a video cassette tutorial covering a complete course in real-time animation for video, based on the Amiga. It is for both students and professionals. It demonstrates cartoon and industrial type animation in high resolution, using basic software and relatively inexpensive hardware. The course is in two parts. Part one shows a variety of animation techniques, with a touch of humor. Part two goes into detail showing how the animations were made. Available in English, NTSC format. \$35.00  
*Myriad Visual Adventures, 1219 N.W. 79th Street, Oklahoma City, OK 73114*

## Animation Video, Volume One

This 48-minute collection of animations created by talented artists demonstrates the capabilities of Amiga animation. Each of the animations in this video is accompanied by unique musical and sound effects. \$19.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## Animation Video, Volume Two

This 90-minute video offers innovative animation programs such as Sculpt-Animate 4D, LightWave 3D, Turbo Silver, Imagine, and DeluxePaint III. \$24.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## ◆ DCTV—A Guided Tour

A comprehensive, 90-minute video tutorial which teaches you everything you need to know about DCTV. Includes segments on setting up the system, using DCTV as a digitizer, a 24-bit display device and a 24-bit paintbox. Includes HAM and DCTV image comparisons and much more. Features an exclusive interview with Digital Creations engineers discussing how DCTV came about and the future of the product. \$39.95  
*Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## ◆ DeluxePaint IV Video Guide

This introductory video takes the viewer on a guided tour through DeluxePaint IV. The video covers the new Menu Structure, Metamorphosis, Translucency, HAM color mode, the new Range requester, the LightTable, the Animation Control Panel, the

advanced Palette Mixer, and more. A variety of Quick Tips, useful to any DeluxePaint artist, are also included. \$29.95  
*Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226*

## Desktop Video, Volume I

This 84-minute video covers the latest and hottest topics, including how to select a genlock; building a desktop video system; choosing and using a video camera; creating scripts, storyboards, and titles; adding sound and special effects, editing, and more. \$29.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## Director Tutorial Video

A step-by-step guide to using The Director. The tape takes the novice through AmigaDOS CLI commands, script editing, adding effects to slideshows, and page-flipping animation. The more experienced user will learn double buffering, effects with ANIMs, the sound module, the array, and advanced techniques. \$39.95  
*Right Answers Group, The, P. O. Box 3699, Torrance, CA 90510, (213) 325-1311*

## ◆ Easy Guide to Pro Video Gold

With the Easy Guide to Pro Video Gold video, you can master this program in less than one hour. This tutorial video covers it all—fonts, shadows, edges, transitions, quick backgrounds, color combinations, palette modification, genlocking, anti-aliasing...all the things you need to know to put together knock-out graphics. Included with the tape is a special data disk packed with over 250 examples of Pro Video Gold graphic screens which, with minimal modification, can be used to create a demo video for your potential customers showing what kind of graphics you can create! Covers all versions of the Pro Video series, including the newest release, Pro Video Post. \$30.00  
*Group M Productions, 321 Ouachita Ave., Hot Springs, AZ 71901, (501) 321-1845*

## ◆ Everything You Need To Know About PRO VIDEO GOLD

This detailed tutorial video will help you get started on mastering Pro Video Plus and Pro Video Gold. The video is for the beginner to easily conquer the basics for variable page layouts. You will learn how to manipulate color palettes, select variable fonts, italics, and develop a complete screen of text. This video will also give you the professional tricks that can save you hours of time, and save on hours of reading the always confusing instruction manual. With this video you can easily master the skills necessary to triumph to amazingly clear and graphic texts. Available in any format—1/2-inch, 3/4-inch, NTSC, PAL, SECAM. \$59.95  
*Video Bookshelf, 2405 E. Mt. Hope, Lansing, MI 48910, (517) 485-6600*

## Gold Disk's All-In-One

Gold Disk's All-In-One, a complete package of six programs and a video tape tutorial designed to make setting up and using the Amiga 500 easy and productive. Word processing, painting, music creation, and three games make Gold Disk's All-In-One everything a new Amiga owner needs to get the most out of the Amiga. Will run on any Commodore Amiga 500, 1000, 2000, 2500, or 3000 with at least 512K of RAM. \$79.95  
*Gold Disk, Inc., 5155 Spectrum Way, Unit 5, Mississauga, Ontario, Canada L4W 5A1, (416) 602-4000*

## Hot Rod Your Amiga

Hot Rod Your Amiga provides advice on how to achieve maximum power with your machine, whether you own a series 500, 2000, or 3000 Amiga. It teaches you how to expand memory internally and externally. It provides in-depth information on selecting and installing hard drives, memory boards, accelerators and more. \$24.95  
*IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100*

## ◆ How to Set Up a Low Budget Video Studio

This one-hour video takes you from the ground level of video equipment acquisition to a fully functional video studio. It tells what you do need and most importantly, what you don't need. Covers cameras, editing equipment, computer graphics, software, mixers and lighting. \$30.00  
*Group M Productions, 321 Ouachita Ave., Hot Springs, AZ 71901, (501) 321-1845*

## Imagine—A Guided Tour

A 90-minute video tutorial. This guided tour of Imagine will teach you everything you need to know to unleash your imagination with Imagine. This thorough tutorial complements the program's manual and will help you master its possibilities. VHS format. \$39.95

Centaur Software, Inc., P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## LightWave 3-D Ala Toaster Tape 1

AVP video tape series on LightWave 3-D, the 3-D rendering package included with NewTek's Video Toaster. Tape #1 covers how to use Bump Mapping correctly to produce effects like water, liquid chrome, and concrete. The tape explains procedural texture mapping, the production of surfaces like gold and copper, as well as reflection and image mapping. Tape #1 also gives you a quick tour of LightWave 3-D and explains techniques and requirements to make it render faster. How to correctly set-up your composite color monitor with color bars is explained, and an object examples disk is provided. \$49.95

AVP, 560 East Erie, Milwaukee, WI 53202, (414) 291-9950

## LightWave 3-D Ala Toaster Tape 2

Tape #2 covers topics like metamorphosis, object dissolving, envelopes, fog, lighting techniques, shadows, and much more. An object examples disk is included. \$49.95

AVP, 560 East Erie, Milwaukee, WI 53202, (414) 291-9950

## Me and My Amiga: An Introduction

Designed for the first-time user, it is an easy step-by-step guide to setting up and using your system. From assembling your equipment, to using and exploring the many exciting features of the workbench to finally playing the games and using the time-saving utilities included in the two-disk set, running 60 minutes. First in the Amiga Professional Tutorial series. Requires 1MB RAM, second disk drive. \$39.95

CP Productions, P.O. Box 103, St. Peters, PA 19470, (215) 462-2268

## NewTek's Video Toaster

NewTek's Video Toaster videotape provides in-depth, comprehensive information on the Toaster's wide array of features and amazing capabilities. Topics covered include installing the Toaster in the Amiga 2000; adding and testing other essential equipment; digital video effects including flips, tumbles, mirrors, spins, splits, and titles. \$24.95

IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100

## Professional Techniques for DPaint III

The 60-minute tutorial guides the viewer through the popular graphic program, DeluxePaint III, by Electronic Arts. New users, as well as seasoned professionals, are shown step by step how to accomplish clip and brush animation, text manipulation, the 'Move' menu, combining effects, 3-D perspective, short cuts and other effects to achieve spectacular results. Features DeluxePaint creator Dan Siva and Amiga graphic artist Jeff Bruetter. \$29.95

Saddleback Graphics, Distributed by Centaur Software, P.O. Box 4400, Redondo Beach, CA 90278, (213) 542-2226

## TeleGraphics International Tape I: Video Graphics Techniques

The first tape in a 3-tape instructional series produced totally with Amiga graphics, animations, titling, and effects by Amiga software and SuperGen genlock. Provides an excellent example of what can be done with the Amiga and video. Many examples of graphics, titling, animation, special effects, and wipes. Covers planning graphics for video applications, uses of training animations, diagrams, graphs, and charts. Sold individually, or as part of a three-tape set for \$79.95. \$29.95

TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028

## TeleGraphics International Tape II: Color Cycling Animation

Instructional VHS videotape, approx. 45 minutes. Basics of color cycling animation using DeluxePaint. Begins with explanation of palette and simplest cycling techniques, advances to more sophisticated techniques, and complex animations. Includes Amiga Art Disk full of animations used in the tape

plus other stock animated backgrounds to load and use yourself. The second tape in a three-tape series. Available individually, or as part of a three-tape set for \$79.95. \$29.95

TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028

## TeleGraphics International Tape III: Digitizing For Effect

Instructional VHS videotape, approx. 50 minutes. Covers hook-up and set-up of Amiga and NewTek's Digi-View Digitizer and Digi-Droid. Explains how digitizing works, shows examples of cameras, various equipment hook-ups plus tips on lighting, how to select good images, and applying digitized images to video production. Direct on-screen comparison of live image versus digitized HAM image and HAM versus IFF. Available individually, or as part of a three-tape set for \$79.95. \$29.95

TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028

## TeleGraphics International Tape IV: Amiga Hard Drives: The Complete Guide

Covers available options when selecting and installing hard drives, including third-party, and Commodore controllers. Explains partitioning, formatting, and bridgeboard hard drive options too. Helps organize and customize your hard drive for your special needs and also gives tips and techniques. This tape comes with a free utility/set-up 3.5-inch disk. \$39.95

TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028

## ● The Amiga Primer

This video provides step-by-step instructions covering the many features of the Amiga. Gain the full benefits that the Amiga has to offer with this simple, quick, and thorough 90-minute video. Includes information on all Amiga models, System 2.0, and AmigaVision. \$29.95

IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100

## The Musical Amiga

The Musical Amiga teaches the Amiga user how to create a simple tune or more complex musical works. This 60-minute video contains intensive sessions on MIDI systems, including sequencing, editing and synthesizing. \$29.95

IDG Communications, 80 Elm St., Peterborough, NH 03458, (603) 924-0100

## Video Toaster Training Volume One

First in a series of VHS instructional tapes on NewTek's new Video Toaster. Covers the many features of the Toaster and instructs the viewer how to use these features in video production and editing. Vol. One covers hardware requirements, production switcher operation, digital effects tips and techniques, character generator program, frame store application, luminance keying, and chroma effects. \$39.95

TeleGraphics International, 605 Dock Street, Wilmington, NC 28401, (919) 762-8028

## ◆ ◆ VIDEOTAPES/VIDEO ◆ ◆

### ◆ Amiga Artists on the Air

A series of video programs showcasing Amiga Artists and their work. Each program is approximately 30 minutes in length and includes interviews with the artists or biographical materials about them, along with many examples of their work. Information is given about how the art was conceived and developed. Amiga and video tools are often explained and demonstrated. Featured artists include Isaac and Raphael Abrams, Tobe Carey, Regina-Bartley Cross, Ilene Astrahan, Mark Smith, Paul Gurdies, Aaron Marks, Michael Fisher, Vincent Morano Jr., Raymond St. Denis, David Brothers, and the Grants. NTSC compatible. Cable rights available. Each volume is sold separately. Artist submissions welcomed. \$15.00

Willow Mixed Media, Inc., P.O. Box 194, Lennox Ave., Glenford, NY 12433, (914) 657-2914

### Amiga Video Backgrounds 1

Now you can have broadcast quality video backgrounds. We have put together a collection of quality video designs to be used with any Amiga program, Video Toaster, Frame Store, genlock overlay, or texture mapping. You will be presented with a tape of graphic designs, stills, textures, scenes, bor-

ders, etc. Remember, time is money and we save you both! Available on videotape or Amiga disk format. Call or write for more information or our sample tape. \$39.95

Action Graphics, 4725 Dorsey Hall Dr., Ellicott City, MD 21043, (301) 992-0749

## Amiga Video Magazine

Amiga Video Magazine is an action-packed hour of infotainment. Following a slick, yet homespun magazine format, viewers are treated to tutorials, reviews, interviews with developers and users, animations, a video art gallery, and news announcements on a television show that uses the Amiga in every facet of its production. AVM can be seen by over five million satellite dishes every month, and is also available via subscription on videocassette and from Amiga dealers.

Amiga Video Magazine, 200 W 72nd St., Ste. 53, New York, NY 10023, (212) 724-0288

Please see display at page 150.

## BACKGROUND: The Videotape

Broadcast-quality background on videotape to be used with Amiga to overlay graphics and titling. From weddings to hi-tech industrial applications. Every background has its own distinctive music. Available tape format: 8mm video/VHS/S-VHS/3/4 U-matic and U-matic SP. Price unavailable.

Philadelphia Video Lab, Inc., 338 Winding Way, Merion, PA 19066, (215) 664-4955 sero

## DTV.101

This one-hour, VHS instructional tape leads you through desktop video production step-by-step. It begins with targeting the audience and developing the concept, moves through scripting and other preproduction stages, and then through production and postproduction, duplication, packaging, and distribution. In addition to the tape, purchasers receive a package of production forms helpful to proper organization and efficient production of their video projects. \$49.95

BullsEye Publishing Co., Buffalo Theater Bldg., Spring Street, Jasper, AR 72641, (501) 365-3055

## Desktop Video and the Amiga Computer

This video tape is designed to introduce viewers to the tools and technology of desktop video. The two-hour tape provides viewers with useful information on setting up and using a desktop video system to create their own professional video productions. It includes sections on selecting computer hardware, software, interfacing with a genlock, and setting up a low-cost studio. Video reviews and examples of video output from popular desktop video software programs including character generator, titling, paint, animation, digitizing, and 3-D software is included. \$30.00

Group M Productions, 321 Ouachita Ave., Hot Springs, AZ 71901, (501) 321-1845

## Helpful Lightwave Hints

Instructional video provides help for Lightwave 3-D. Two part tape features a behind the scenes look at the creation of a TV commercial, and a 60-minute reference guide to surfaces. Includes disk of objects and fonts. Requires VHS. \$39.95

3 Leaf Productions, 500 Lake Marina Drive, Suite #214, New Orleans, LA 70124, (504) 288-5644 voice

## NewTek's VideoToaster: The Ultimate Guide: Volume One

Latest from the Amiga Professional Tutorial series, a detailed step-by-step guide to setting up and using the VideoToaster. Shows how to install in the Amiga and load software. Provides clear, concise explanation of basic video theory. Explains different system configurations. Extensive tutorial on using the switcher, digital video effects, framestore, luminance key, chrome f/x, character generator, and hints and tips. Includes disk of Toaster fonts. Requires 2000HD, 7MB RAM and accelerator card. \$49.95

CP Productions, P.O. Box 103, St. Peters, PA 19470, (215) 462-2268

## The Big, Bad, Beautiful Amiga Demo-Tape

A two-hour VHS tape which features hundreds of Public Domain demos. Includes many rare or never-seen Amiga demos. Produced by an Amiga artist and a TV editor. The tape is an entertaining look at the finest art, animation, and music being given to the Amiga. \$19.95

Mr. Horan's Computer Lab, 12338 Shelbyville Road, Louisville, KY 40243, (800) 274-8446

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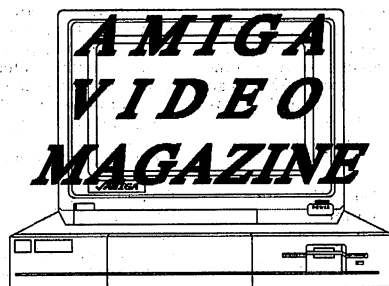
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*IF A PICTURE IS WORTH A THOUSAND WORDS,*  
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That's right, Amiga lover. Once a month, for an entire hour, the **AMIGA VIDEO MAGAZINE** is being broadcast into your home, via satellite, to over 5.5 million receiving dishes in North and South America. But you don't have a satellite dish on your roof? No problem! Just order your own videotapes of the show! VHS tapes of the **AMIGA VIDEO MAGAZINE** can be mailed to your home each and every month, so that you can keep abreast of the latest and most exciting developments in the Amiga community.

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Software and Hardware Reviews, User Profiles, Tutorials, Application Features, Game Reviews, AMIGA News, the AVM Art Gallery and much more. From the latest 3-D ray-tracing and animation packages to the most powerful productivity programs to the fastest hard drives to the neatest games! The **AMIGA VIDEO MAGAZINE** covers all the newest and most exciting AMIGA applications, in a moving video medium that lets you see how these programs and peripherals really work!

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Circle 101 on Reader Service card.

## The Ultimate Amiga Guide to Video Production: Volume One

A detailed step-by-step guide on setting up your own video production studio using camcorder, VCR, and Amiga to do tiling, create video backgrounds, animations and editing features. An extensive tutorial of DeluxePaint III, Elan Performer and TV Show includes a two-disk set of 19 video backgrounds, animations and more, running 95 minutes in length. From the Amiga Professional Tutorial series. Requires 1MB, 500 and external disk drive. \$49.95  
CP Productions, P.O. Box 103, St. Peters, PA 19470, (215) 462-2268

## The Ultimate Guide to Video Production: Volume Two

A detailed step-by-step guide to producing professional level titling, character generation and effects on the Amiga. Featuring the s-VHS format. Shows how to install Digital Creations 2000S S-VHS. Genlock provides clear, concise explanation of video basics. Extensive tutorials on TX-Text Professional and TV-Show, Broadcast Titler and Pro-Video Post. Includes a two-disk set of 14 video backgrounds, animation and more, running 120 minutes, from the Amiga Professional Tutorial series. \$49.95  
CP Productions, P.O. Box 103, St. Peters, PA 19470, (215) 462-2268

## Video Animation

Two-hour video with two diskettes for DeluxePaint III. Geared toward videographers. Includes disks. \$39.98  
InSync, 410 Maple Ave., Westbury, NY 11590, (516) 574-0225

## Video Visions Titler/Wedding Set: The Video

Contains all the backdrops/objects that comprise the Titler & Wedding Set on disk. This videotape version is for those who do not have Amigas, but wish to utilize graphics in their video productions. Contains: titler set, wedding set, videographer, titler, advertiser, broadcaster, and videomaker volumes on tape. Videomaker scenes have been added. \$49.95  
CV Designs, 61 Clewley Road, Medford, MA 02155, (617) 391-9224

## Volume I: How To Use The Amiga For Video

A one-hour VHS videotape for beginners who have never used the Amiga. \$39.95  
TV One Productions, 800 N. Delsea Dr. #8, Westville, NJ 08093, (609) 853-1229

## Volume II: How To Make TV Commercials With The Amiga

A VHS videotape for Amiga video enthusiasts. \$199.95  
TV One Productions, 800 N. Delsea Dr. #8, Westville, NJ 08093, (609) 853-1229

## Volume III: How To Make Presentations & Sales Tapes With The Amiga

A VHS videotape for Amiga video enthusiasts. \$199.95  
TV One Productions, 800 N. Delsea Dr. #8, Westville, NJ 08093, (609) 853-1229

## ◆ ◆ ◆ NEWSLETTERS ◆ ◆ ◆

### ◆ BreadBox Newsmagazine

BreadBox is the Video Toaster Desktop Video Newsmagazine. Each month you'll get reviews, interviews, and tutorials geared toward the Video Toaster/desktop video world. Technical and helpful hints and tricks are aimed at everyone—from novices to video professionals to special effects wizards. Twelve monthly issues of BreadBox cost \$30.00. Call for a free sample issue.  
Bread Box Newsletter for Video Toaster Users, 5041 Cahuenga Blvd., No. Hollywood, CA 91601, (818) 505-1464

### ◆ X-PRESS

Monthly newsletter geared to the professional using X-CAD Pro and XCAD 3D. Packed full of useful information including reviews, and comparisons of AmigaCAD products. Provides tips and techniques for using XCAD and associated products. X-PRESS will help you 'test the envelope' of X-CAD on the Amiga. One-year subscription: \$49.00. Back issues are available for \$5.95 each. An index is available upon request. \$4.95  
Grafx Computing, 6680 Wiltsie Road, Panama, NY 14767, (716) 782-2468

# Freely Redistributable Software

**\*881 Math Part I:** Programming the 68881 math coprocessor chip in C. Author: Read Predmore AC2.

**\*881 Math Part II:** Part II of programming the 68881 math coprocessor chip using a fractal sample. By: Read Predmore AC3.

**\*Liner** A shareware outliner whose function is to create outlines for notes or export to other programs. 'Liner' can save an outline as ASCII text and is clipboard compatible. This version utilizes a number of AmigaOS 2.0 features and thus requires 2.0. Support for the new ECS Denise display modes is also included. Version 2.11, an upgrade to version 2.00 on disk 394. Includes source in C. Author: Dave Schreiber FF451, FF394, FF285

**\*Blanker2** A screen blanking program that turns the screen black after 90 seconds of keyboard and mouse inactivity. Implemented as a very tiny event handler to the input handler event stream. Version 1.27.88, includes source. Author: Joe Hitchens FF146

**\*Diff** A program that uses the same algorithm as the UNIX diff program and also produces context diffs, suitable for use with patch. This is the same version that was distributed on FF 138, but now includes the missing files (including source code). Author: Unknown (Decus C diff) FF142

**\*Keymap\_Test** A program to test the keymapping routines and find possible bugs. Useful as an example of keymapping. Author: Pushpa Kumar FF19

**\*Rim** RIM-5 (Relational Information Manager) is a full relational DBMS that is suitable for VERY large databases using B-Tree data storage. It has a crude (by today's standards) user interface, but since full source code is provided, this can be fixed. Versions of RIM run on a wide variety of systems, small and large, and produce compatible databases. Also includes a built in HELP database and a programming language. Full Fortran source code and documentation included. Author: Various, Amiga port by Glenn Everhart FF143

**1D\_Cells:** A program that simulates a one-dimensional cellular automata. Author: Russell Wallace AC5

**2View** 2View is a ILBM picture viewer for use under Workbench 2.0. It supports all standard Amiga graphics modes, ARexx, and both the CLI and Workbench. A list of files to display can be used, or each filename can be given individually. Each picture that is displayed can be shown for a specified amount of time, or until the user clicks on the left mouse button. Version 1.11, includes source. Author: Dave Schreiber FF546

**3D Breakout** 3D glasses, create breakout in a new dimension. AM15

**3D-Arm** The first stage of a larger project to study goal directed animation of articulated objects (objects which can move with various degrees of freedom but are constrained by attachment to other links within the object). This program demonstrates goal directed animation with a simulated 3-dimensional robot arm. Includes source. Author: Bob Laughlin FF47

**3Dcube** Modula-2 demo of a rotating cube. AM8

**3DPlot** A 3D function plotting program that does hidden line, solid, or contour plots of equations of the form  $Z=F(X,Y)$ . You can scale the plot, set plot limits, change rotation, etc. Can save and load the plots themselves, as well as the data. Version 2.0, includes source. Author: Randy Finch FF440

**3DSolids** 3D solids modeling prog. w/sample data files. ABasicC program AM1

**3dsolids** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**3dstars** 3D version of Leo's 'stars' program (also on this disk). Author: Leo Schwab FF33

**3DTicTacToe** A three-dimensional four-in-a-row version of TicTacToe, human against computer. Version 1.2, binary only. Author: Ron Charlton FF366

**4D** Two programs for visualizing four-dimensional objects. The Tesseract program displays the three-dimensional projects of a hyper-cube (tesseract), a hyper-octahedron or a hyper-tetrahedron. These can be rotated in three and four dimensions. The 4D Navigator program moves you through the three-dimensional surface of a four-dimensional sphere. Version 1.01 for both. Binary only. Source available from author. Author: Jerry D. Hedden FF541

**6bitcolor** Extra-half-bright chip gfx demo, C program in C source code and executable. AM3

**8ColorWB** Modifies the Workbench so three bitplanes are used, icons can have eight colors, instead of four, eight-color icons are included. Public domain program "zapicon" or "brush2icon" converts eight-color IFF brushes to icons, to use Deluxe Paint to make icons for this new Workbench. AM25

**60or80** A small utility to toggle the 60/80 column text modes without having to go through preferences. Works from either the CLI or the Workbench. Includes source. By: Mark Schrelen FF157

**64 Colors:** Using extra-half-brite mode in AmigaBASIC. Author: Bryan Catley AC6

**1812Overture** The 16 minute classical feature complete with Cannon! AM23

**68020** Text describes 68020 speedup board from CSA. AM1

**A Shared Library for Matrix Manipulations:** Creating a shared library can be easy. Author: Randy Finch. AC12

**A-Genie** Demo version of a shareware genealogy database program. The PAL version has been distributed in Australia and England for some time. This NTSC demo version is complete except that it is limited to 600 persons/300 marriages, does not support a text-editor to add free-form reports to records and does not show Digitv pictures from within the program. The color requester is not included in this entails adding a library file to libs: and is not really needed. A-Genie needs 1Mb of ram, and a printer/2nd disk drive are a big help. Version 3.10, binary only. Author: Mike Simpson. FF425

**A-Render** Version 3 a Ray-Tracing Construction Set for the Amiga Computer by Brian Reed ED FF99

**A68k** A 68000 assembler originally written in Modula-2 in 1985 and converted to C by Charlie Gibb in 1987. Has been converted to accept metacomco-compatible assembler source code and to generate Amiga objects. This is version 2.71, an update to version 2.61 on disk 314. Include source. Author: Brian Anderson; C translation and Amiga work done by Charlie Gibb FF521, FF314, FF186, FF110

**A68Kex** Twelve examples demonstrating the use of Charlie Gibbs A68K assembler. Over a quarter megabyte of assembly source code. Author: E. Lenz FF431

**ABdemos** AmigaBASIC demos. NewConvertFD creates .bmaps from fd files. BitPlanes finds addresses of and writes to bit-planes of the screen's sbitmap. About Bmaps is a tutorial on creation and use of bmaps. LoadILBM loads and displays IFF ILBM pics. LoadACBM loads and displays ACBM pics. ScreenPrint creates a demo screen and dumps it to a graphic printer. Author: Carolyn Scheppner, Commodore-Amiga FF27

**ABridge** An interim solution to Anim-5 incompatibility problems. Identifies the origin of an Anim-5 file and modifies it to facilitate easy exchange between AniMagic, Videoscape, Animation Station, DPaint III, Animation: Editor(v1.11), The Director, SA4D, Movie2.0, Photon Paint 2.0 and Cel Animator. Fully intuitionalized interface, full ARexx support including a Find ARexx option if you start ARexx after running ABridge. This is version 1.0, shareware, binary only. Author: Ron Tarrant, Mythra-mations Animation and Software FF359

**Accent** A universal accented character converter for Amiga, IBM-PC, Macintosh, and C64 files written in most West European languages (Danish, Finnish, French, German, Italian, Icelandic, Norwegian, Spanish, Swedish, and more. Works with either ASCII or Word Perfect files. This is a major update to version 1.5 on disk 454 (where it was called Vortex). New features include a graphical user interface, simple file reader, and copy option. Binary only. Author: Michel Laliberte FF535

**Access** A 16 color terminal program based on Comm version 1.34 Includes new macro window, custom gadgets, colorized menus, etc. Version Beta 0.18, binary only. Author: Keith Young (based on comm by D.J. James) FF98

**Accordion** Demo version of a solitaire type card game. The object of the game is to condense all the cards into one pile. The cards are dealt face up from left to right, one at a time. Piles are built by moving a card or pile from the left onto a card or pile to the right. V 1.0.1, binary only. Author: Steve Francis FF260

**acoustic guitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Acp** A copy program with file name expansion and argument interpretation like the UNIX cp. Author: Fred

Cassirer FF36

**Ada** An Ada Syntax checker for the Amiga. Includes lex and yacc source. Author: Herman Fischer; updates by William Loftus FF154

**Adapt** CLI utility that converts special German characters in files imported from MS-DOS systems into the right Amiga codes. Can easily be changed to work with other languages. Version 2.2, includes source. Author: Lars Eggert FF378

**Add** Lets you create keyboard shortcuts for selection of menu items in programs where the author did not make provisions for such shortcuts, or chose ones that disagree with you. Also includes 'until' which waits for a specific named window to be created. Shareware, includes source. Author: John Russell FF73

**addbook** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**ADDCR V1.00** Utility to add CR's before LF's in files FF168 & 169

**AddKickMem** Adds the KickStart memory to your free memory on an Amiga 1000 with Kickstart in ROM. FF105

**addmem** Executable version for use with mem expansion article in AC v2.1. AM17

**addmem.c** Add external memory to the system. C program. AM4

**AddMenu** A program to add infinite number of menus to the Tools menu on Workbench V2.0. Uses the correct Workbench.library calls and allows updating from CLI or from within the menu itself, meaning infinite number of functions. Binary only but source available from author. Author: Nic Wilson FF501

**Address** Extended address book written in AmigaBASIC. Author: Mark Hurst FF32

**AddressBook** Simple database program for addresses. ABasicC program. AM1, AM8

**ADL** This disk contains a distribution of ADL (Adventure Definition Language). ADL is a superset of an older language named DDL, by Michael Urban, Chris Kostonick, Michael Stein, Bruce Adler, and Warren Usui. ADL enhancements were made by Ross Cunniff, who submitted this material for inclusion in the Fred Fish library. The standard library files 'GeneralInfo', 'Contents', and 'Distribution', along with their associated icons, have been added to the disk. The directory 'c' has been added, along with a very nice text reader program called 'less', which is the default tool for reading all the text files for which there are icons. Included here are the sources to the ADL compiler, interpreter, and debugger. The binaries were compiled by Ross with the Lattice 3.03 compiler. Ross noted in his letter that currently ADL is a CLI environment program only, but that he hopes to offer a more Amiga'ized version in the future. Also, the stack size should be set to at least 10000 before attempting to run ADL. FF91

**ADoc** A freely redistributable help utility for the Amiga. Allows you to have permanent help on any subject you want. Major feature is automatic searching of the word on which you clicked. Includes a 50 Kb help file (French only) on all Intuition and Dos function calls. This is version 3.10, binary only, French and English versions. Author: Denis GOUNELLE FF402

**Adventure** A port of the classic Adventure game originally by Will Crowther and Don Woods. Has been extended to a 550 point version. Also speaks as it prints (though I found this feature annoying). Minimum 512K recommended. Binary only. Author: David Platt, Ken Wellsch, Dave Haynie FF82

**AdvSys** An adventure writing system, as described in the May 1987 issue of Byte magazine. AdvSys is a special purpose programming language that was specifically designed to be used to write computer text adventure games. Version 1.2, binary only. Author: David Betz FF87

**AdvTemplates** A collection of PD spreadsheet templates for business and law, originally intended for Lotus 123 on IBM PC's. They have been transferred to the Amiga, loaded into Gold Disk's The Advantage, and saved as native Advantage files. Requires Advantage V1.1 or higher. Author: Amiga port by Michal Todorovic FF431

**AegisDrawDemo** Demo disk of the Aegis Draw program. This is the actual production program with only the 'save' feature disabled and without documentation (intentionally). Very impressive program! Received directly from Aegis Development. Cc Version of the

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Product Index by Product
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Last Minute Additions

UNIX like C compiler front end program, for Manx C. Previous released version was for Lattice C. Author: Fred Fish FF29

**Aequipo** A program that renders multicolor pictures using an algorithm based on electrostatic effects. Renders in low-res, in high-res, and in two speed/quality modes. Includes both PAL and NTSC versions, English and German docs. This is version 1.15, an update to version 1.06 on disk 474. Now supports saving pictures in IFF-ILBM format and animation rendering via script files. Freeware, includes source in PCQ. Author: Juergen Matern FF517, FF474

**Aerotoons** Animations with anthropomorphed aircraft as the center of their humor. Includes Swiss Army F-16 In Combat and Stealthy Manuever II. Author: Eric Schwartz FF413

**Atfterm** Communications program utilizing IBM 3278 terminal emulation. Binary only. Author: Don Brereton FF170

**AHDM** Amiga Hard Disk Menu. When placed in your startup sequence, AHDM offers a ten page menu, each page having up to ten possible actions. By double clicking on an action, that action will execute any legal AmigaDOS command, program, or script file. This allows you to interactively select which programs you wish to start or packages to install at boot time. Version 1.1a, binary only, demo version that only supports 2 pages of actions. Author: Scott Meek FF319

**Ahost** Amiga terminal emulator featuring ANSI terminal emulation, file transfer with CompuServe's B-Protocol, Kermit, and Xmodem, user definable function keys, script language, RLE graphics and a special conference mode for use with CIS. Version 0.9. Author: Steve Wilhite & George Jones FF40

**AIBB** Amiga Intuition Based Benchmarks is a program designed to test various aspects of CPU performance using a full intuition interface. Tests include 'WritePixel', Sieve, Sort, Savage, Dhrystone, and Matrix. Version 2.0, binary only. Author: LaMonte Koop FF439

**AirAce** A fast paced WWI biplane shoot'em up game built using Accolade's Shoot'Em Up Construction Kit. Binary only. Author: Robert Grace FF469

**Airfoil** An update to the Airfoil generator on FF 71. Generates airfoil models as well as their corresponding streamline and pressure distributions. Includes source. Authors: Russell Leighton Addendum by David Foster FF150, FF71

**alarm** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**AlarmingClock** A simple alarm clock program with a very alarming 'ring', particularly if you hook it up to your stereo and turn up the volume. Includes source. Author: Brian Neal FF229

**Alert** Program to create custom alert boxes and standalone programs to display them. Each alert can be up to 7 lines of up to 77 characters per line. Version 3.6, shareware, binary only. Author: Thomas Jansen FF417

**algebra** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**AlgoRhythms** An algorithmic composition program that improvises music over a MIDI interface connected to the serial port. A MIDI interface and synthesizer are needed. The music does not have a strong pulse, and does not repeat motifs or melodies, but can be very pretty. Version 1.0 with source in C, and sample data files. Author: Thomas E. Janzen FF356

**Aliases** Text explains uses of the ASSIGN command. AM1

**alib** Object module librarian. Author: Mike Schwartz FF2, AM2

**Alice** This animation is Carey's entry to the 1988 Badge Killer Demo Contest. Author: Carey T. Pelt FF212

**Alint** Support files for Gimpel lint to make it useful on the Amiga. Author: Thomas Althoff FF34

**AList** A directory listing program based on Dave Haynie's LD4 program, with extensions and enhancements. Includes source. Author: Ed Kivi (original by Dave Haynie) FF108

**AllocMaster** Allocmaster is a program inspired by Nick Sullivan's 'Reserve' article in Amiga Transactor, for controlling the amount of both Chip and Fast memory available to the rest of the system. It is very useful for testing applications in low-memory situations. It also has a snapshot feature to report differences in available memory before and after running an application. V 1.17, binary only. Author: John Gerlach Jr. FF221

**AltIcon** Sets a second icon image, displayed when the icon is clicked. AM8

**AMC 'Amiga Message Center'** Scrolls a message from a text file across the screen on a colorful background. Similar to the 'greetings' programs developed by European Amiga enthusiasts. V1.0, binary only. By Fos-

ter Hall FF182

**AmCat** Shareware disk cataloging program. Suggested donation of \$20. Binary only. Author: Brian Conrad FF67

**amgseq1** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**AmiBack** Demo version of a new backup utility. Features include backup to any AmigaDOS compatible device (such as floppies, removable hard disks, fixed media hard disk, and tape drives), no copy protection, configuration files, complete backups, incremental backups, selective backups, file exclusion filter, setting of archive bit, etc. Demo version does not have restore, compare, or scheduler. Version 1.03, an update to version 1.0 on disk 447. Binary only. Author: MoonLighter Software FF517, FF493, FF447

**AmiBas** Some miscellaneous AmigaBASIC programs, including a 3D plot program, a kaleidoscope, a C-A logo drawing program, a file comparison utility, a string search program, etc. Includes source. Author: Peter Kittel FF71

**AmiBug** Workbench hack makes the same fly walk across the screen at random intervals. Otherwise, completely harmless. AM24

**AmicForm** Creates a phonebook containing only those areacodes and exchanges reachable through PC-Pur-suit. Update to the version on disk number 157. Works with the new Finalist BBS format. Version 1.4, Binary only. Author: John Molsinger FF178, FF157

**AmiCheck** An easy to use, intuitive, friendly checkbook program. Allows you to enter your checks in a very natural style, giving you a running balance as you do so. Options include reconciling your checkbook, starting new registers with outstanding checks only, printing all, cleared, outstanding, or selected entries, and more. Version 2.0, shareware, binary only, requires AmigaDOS 2.0. Author: Jeff Hoag FF490

**AmiCron** A simple UNIX 'cron' type program, which is a background task that uses a disk-resident table to automatically run certain tasks on a regular basis, at specific times. An enhanced and debugged version of AmiCron 2.3 from FF113. Includes source. Author: Steve Sampson, Rich Schaeffer, Christian Balzer FF139, FF113

**AmiTerm** A new terminal/communications program based on Dan James' 'comm' program, but greatly enhanced. Includes a script language, auto redialing, choice of display beep or audible beep, enhanced file requester, and more. Version .50 (beta), binary only. Author: David Salas and Albert Kirk FF82

**AmiDock** AmiDock is an Amiga version of the NeXT's Dock facility. It will open up a small window on your WorkBench full of little IFF brushes. Each brush represents an application, like an ICON but it's a brush. Click on the brush and your application will start. This is version 1.2.4. Shareware, binary only. Author: Gary Knight FF518, FF474, FF459

**Amiga Developer's IFF disk** This is a copy of the Amiga Developer's IFF disk, received directly from Commodore-Amiga sources, with permission to place in the library and redistribute. It is an update to FF16, and is unchanged except the volume name has been changed to AmigaLibDisk64.Enjoy-Fred. FF64, FF16

**Amiga Flight Simulator II/AMICUS Scenarios** Disk 16 contains several files of scenarios for Amiga Flight Simulator II. By putting one of these seven files on a blank disk, and inserting it in the drive after performing a special command. In this game, a number of interesting locations are preset into the Flight Simulator program. For example, one scenario places your plane on Alcatraz, while another puts you in Central Park. AM16

**Amiga Kermit** V4D(060) port of the UNIX C-Kermit. AM17

**Amiga Turtle Graphics:** Computer graphics and programming with a LOGO-like graphics system. Author: Dylan MnNamee AC10

**amiga-copy** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**amiga3d** Shows a rotating 3 dimensional solid 'Amiga sign'. Nosourceavailable, executable only (downloaded from a Denver BBS). Author: Barry (bart) Whitebook of C-A FF12, FF14

**AmigaBBS** AmigaBASIC bulletin board C program. AM12

**AmigaBench** Optimized Amiga assembly versions of the Dhrystone benchmark. Includes 68000 and 68020 versions. Author: Al Aburto FF236

**amigademio** Graphical benchmark for comparing Amigas. Author: Charlie Heath (MicroSmiths) FF1

**AmigaDisplay** Yet another variation of a terminal emulator program. This is a modified AmigaTerm that can emulate a dumb terminal (interesting paradox here somewhere...), translate line termination sequences, optionally capture or discard control characters in the captured file, use audible bell, use another font, etc.

Author: Don Woods (Original code by Michael Mounier) FF18

**AmigaFox** A text processor with graphics capabilities. Version 1.00, binary only. Author: Michael Wust FF315

**AmigaHost** V0.9 for CompuServe. Includes RLE graphics abilities & CIS-B file transfer protocol. AM17

**AmigaLib** A library of Workbench/ROM-Kernel interface routines for use with AbSoft Fortran. Includes source. Author: Jim Locker FF493

**AmigaLine** A series of various technical notes for Amiga programmers. Author: Byrce Nesbitt FF138

**AmigaMonitor** Dynamically display the state of the machine, including open files, active tasks, resources, device states, interrupts, libraries, ports, etc. Display window into memory. Version 1.13, binary only (source available from author). Author suggests \$15 donation. Author: Jim Voris FF70, FF40, AM15

**AmiGantt** A project definition and management tool designed to create a simple, interactive method of outlining the task required to complete a particular project, using the GANTT chart as the input format. AmiGantt displays the project in a multi-window mode with separate windows for the GANTT chart, task information input, resource histogram display, and Pert chart display. Up to 500 tasks may be defined for any project, and a project may contain other projects as tasks. Version 3.0.0, shareware, binary only. Author: Donald Tolson FF493, FF248

**AmigaPet** Another cute screen hack. Version 2.52b, binary only, source available from author. Author: Patrick Evans FF448

**AmigaPunt** A program designed to predict the performance of horses in a race. The premise is that the factors affecting a horse's performance, and ultimately the result of the race, can be given a value. Binary only. Author: Pierre A du Parte FF272

**AmigaSpell** Very nice intuition oriented shareware spelling checker, version 2.0, binary only. Author: Mike Berro FF67, AM8

**AmigaTCP** The KA9Q Internet Software Package supports IP, ICMP, TCP, UDP, and ARP as basic services, and implements the FTP, Telnet, and SMTP protocols as applications. It runs on IBMPC and clones, the Apple Macintosh, and the Amiga. Includes source. Author: Bdale Garbee, Phil Karn, Brian Lloyd FF225

**amigaterm** Terminal emulation program with xmodem upload/download capability. Author: Michael Mounier FF1

**AmigaToAtari** Source code for an Amiga to Atari ST object code format converter. Takes Amiga objects as input and produces Atari objects as output. This allows the Amiga to be used as a cross development machine providing the proper libraries are available. (Currently does not work, but I don't have an ST to try it with anyway...) Author: Landon Dyer at Atari Corp. FF20

**AmigaTraction** A 'Concentration' like game for the Amiga, where you must locate matching tiles on a grid that can range from 4x4 (easy) to 12x12 (difficult). Version 1.0, binary only. Author: Gabe Dalbec FF453

**AmigaTrek I** Three stories which are a parody of the Star Trek series, with an Amiga flavor. Author: Mike Smithwick FF278

**AmigaTrek II** A continuation of Mike's Amiga Trek stories, which are parodies of the Star Trek series, with an Amiga flavor. Author: Mike Smithwick FF320

**amigatricks** Text, tips on CLI commands. AM5

**AmigaVenture** A program which allows you to write your own Infocom-style adventure programs in AmigaBASIC. It is a full-featured adventure parser, including direct and indirect objects, multiple object processing, adjectives, automatic ambiguity resolution, and subordinate clauses. The parser includes support for one, two, or three-word verbs, and a full set of object-manipulation primitives. Author: Mitsuharu Hadeishi FF41

**AmigaWave** This is Allen's entry to the 1988 Badge Killer Demo Contest. It is an animation with sound effects by: Allen Hastings FF211

**AmiGazer** Compute a view of the night sky, using a database of 1573 stars, for any date, time of day, and latitude. Click on stars for info about them. Binary only. Author: Richard Horne FF90

**AmiGo** A Go board and player for the Amiga. You can play against another human, against the Amiga, or have the Amiga play itself. Version 1.0, includes source. Author: Todd Johnson, Stoney Ballard FF289

**AmiOmega** Amiga port of the Omega game. Omega is similar to hack or rogue, but is much more complex. There is a city, several towns, a wilderness, lots of dungeons, a multitude of monsters, lots of spells, magic items, etc. There are several quests to complete. All in all, it is an excellent game. This is version 1.5, a different port than version 1.0 on disk 320. Binary only. Author: Laurence Brothers, Amiga port by Klavs Pedersen FF528, FF320



# Freely Redistributable Software

**Amoeba** This clone of Space Invaders is one of the best freely redistributable games for the Amiga to date. Unlike many commercial games, it even works correctly in a multitasking environment (by not requiring you to reboot just to play a game). Highly recommended! Binary only. Author: LateNight Developments FF120

**AMon 1.1** Snoop on system resource use. Executable program and documentation. AM19

**amortize** Loan amortizations program in AmigaBASIC. AM11

**AmSci** Preliminary documentation for a hardware project to build a SCSI controller board. The design does not support DMA or AUTOCONFIG'ing. Author: Rich Frantz FF66

**AMUC\_Demo** A really neat horizontal scrolling demo that is a 2400 x 200 pixel 32 color IFF picture composed of Digi-View snapshots of members of the Amiga Users of Calgary, superimposed on a wide view picture of the Calgary Skyline. Binary only. Author: Stephen Vermeulen and Stephen Jeans FF117

**AMXLISP** Amiga-ized version of the XLIsp interpreter originally by David Betz. V2.00, includes source. By David Betz; Amiga work by Francois Rouaix FF181

**AmyLoad** A graphical monitor of CPU, blitter, and memory use. Includes two components; load.device, which monitors system parameters, and amyload, which is the user interface and display program. Includes source. Author: Jeff Kelley FF111

**AmyVsWalker** Another cute animation from Eric Schwartz. This one has Amy the Squirrel attempting to take a wrench to the 'Walker' from 'The Empire Strikes Back'. Author: Eric Schwartz FF450

**AnalogyStick** Software support for use of analog joysticks on the Amiga. Includes a driver, a header file for code that calls the driver, and an example program that uses the driver. Includes source. Author: Dave Kinzer FF247, AC4

**AnalytiCalc** The AnalytiCalc spreadsheet, directly executable. This version features operation with only one window, many "3 dimensional" sheet addressing primitives, and optional execution from icons. Two images are furnished, one for smaller and one for large internal storage (though both have software virtual memory if needed). These images operate OK under AmigaDos 1.2, 1.3, and 2.0. They include code allowing the spreadsheet to be treated as a series of "pages" so that a cell has a row, column, and (optionally) page, and ranges can be in depth along pages as well as along rows or columns. The mapping is flexible enough so that it can be used to facilitate computing traces of matrices if desired, as well as for more conventional use. Version V25-03B, an update to version V24-01a on disk 328. Includes source. Author: Glenn Everhart FF495, FF328, FF176, FF144, FF104

**Analyze Templates** 12 templates for the spreadsheet Analyze. AM11

**AngusCopy** A disk copy program with intuition user interface. Version 2.0, shareware, includes source in Modula II. Author: Andreas Gunser FF455

**AnimalSounds** A sample of digitized animal sounds along with a simple sound player. Authors: The Trumcor Company, Inc. Sound Player by Don Pitts FF149

**Animate** Tutorial describes animation algorithms, by John Draper. AM2

**Animation? BASICally:** Using cell animation with AmigaBASIC. Author: Mike Morrison AC7

**Animations** Some animations made with Aegis Animator. Includes a player program Author: Aegis Development FF53

**Animations** VideoScape animations of planes and boing ball. AM22

**AnimBalls** A nifty little animation program that allows you to create a collection of balls in three-space and then interactively rotate them in real time using the mouse. Includes source. Author: Jim Guilford FF157

**AnimPlayer** An animation reader and displayer that is the result of a consortium of animation software developers, which includes the authors of Videoscape, Sculpt3D, Silver, Forms-In-Flight, and Animator:Apprentice. Includes source. Author: Martin Hash et al. FF96

**Anims** Some more cute animations from Eric Schwartz. Includes Batman, LateNight, and Terminal. Author: Eric Schwartz FF414

**AniPtrs** Some cute animated pointers. I have adopted one of them as my permanent replacement for the boring red arrow. Binary only. Author: Bob McKain FF332

**Aniptrs2** Some more animated pointers to choose from to live up your display environment. Binary only. Author: Bob McKain, pointer animation program by Tim Kemp FF364

**Aniptrs3** Some more animated pointers to choose from to live up your display environment. Other pointers from Bob are on disks 332 and 364. Binary only. Author: Bob McKain, pointer animation

program by Tim Kemp FF394

**ansi.txt** escape sequences the CON: device responds to. AM15

**AnsiEcho** Some commands written in assembler. Includes an echo command, touch, list, cls (clear screen), and ask (wait for user input). Author: Dewi Williams FF39

**ANSIED** Demo version of an ANSI screen file editor. It allows you to easily create and modify a screen of ANSI-style text/graphics on the Amiga. The standard ANSI color set (red, green, yellow, blue, magenta, cyan, white) and text styles (plain, boldface, underlined, italic) are provided, along with some simple editing and drawing functions. This demo version has the save features disabled. This is version 1.3.0. Binary only. Author: Greg Epley FF324, FF221

**ANSIMaster** ANSI editor that provides the full IBM font set and color capability. Very useful for the design of custom ANSI screens/graphics for telecommunications. Version 1.0, binary only. Authors: James Davis and Joe Ratz, Jr. FF378

**AnsiRead2** Bridges the gap between IBM and Amiga ANSI by displaying IBM ANSI text and graphic animations (as usually captured from bulletin boards) in their full intended colors and motion. Includes several samples. Version 0.2, binary only, shareware. Author: Glenn Kauffman FF377

**AntiBorder** CLI window frame remover. Turns your CLI window into the largest possible borderless window that can be displayed on the WorkBench screen. I.E. Creates a 80 x 32 character CLI window for standard PAL Amigas. Version 1.0, includes assembly source. Author: Paul Hayter FF537

**AnticBS** An animation cooked up by Leo in protest of CBS's coverage of the Hacker's Conference in Oct 88. After reading the transcript I was angered enough to feel this needed widespread distribution, even though it is quite old. by: Leo 'Bols Ewhac' Schwab FF217

**AntiLemmin** Another great, humorous, animation from Eric Schwartz. This one was obviously inspired by the wonderful Lemmings game. Lasts a full two minutes and ten seconds. Requires at least 2 Mb of memory. Author: Eric Schwartz FF490

**APalAsm** A Programmable Array Logic (PAL) program based on an old MMI Fortran IV program from the 'PAL Handbook' Second Edition and Third Edition by MMI. This Version (1.00) is completely rewritten for Fortran 77. The outputs produced are sent to separate files instead of the screen. There are plenty of example PAL files to test, inspect, or just to learn what PAL's are all about. The Fortran source is included with the instructions to compile using AC/ Fortran version 2.3. Author: Bob Metzler FF432

**Append** CLI utility that allows you to directly append one or more files to another without having to use the roundabout methods necessary with the AmigaDOS join command. Version 1.0, includes source. Author: Oliver Ensling FF379

**ARPrf** A freely redistributable printing utility for the Amiga. Major features are full Intuition interface, preview function, page selection, margins setup, line numbering, and more. This is version 2.62, binary only, French and English versions. Author: Denis GOUNELLE. FF402

**AQData** Information to aid users in updating B. Lennart Olsson's Aquarium Version 1.12 database. Includes information on disks up to number 360. Author: Howard Hull FF369

**Aquarium** A program for searching through a special database containing information about the contents of the library, in order to find programs that match a specified list of conditions. Includes a database of disks 1-300, and a program to add the contents of future disks to the database. Binary only. Author: B Lennart Olsson FF301

**ar** Text file archive program, C program in C source code and executable. AM2

**Arc** The ubiquitous compressing archiver program that has become the defacto standard for distributing binaries and multi-file postings on most BBS's. This is Amiga version 0.23, a port of arc version v5.0, binary only. Author suggests \$35-\$50 donation. Author: System Enhancement Associates Amiga version by Raymond Brand FF70, FF40, AM8, AM17

**ArchEdge** Intuition interface for several of the more popular archiving utilities such as ARC, ZOO, LHARC and PAK. Includes an Auto-Pad function that will automatically add some morsels for the modem. Version 1.5, includes assembly source. Author: Robert Lang FF362

**Archx** Yet more programs for bundling up text files and mailing or posting them as a single file unit. Author: Martin Minow FF26

**ArcL** A utility that lists your ZOO, ARC and LZH Archives with automatic type detection. Includes german version and documentation. Version 1.0, binary only. Author: Oliver Graf, T.O.M. Software

FF535

**ArcPrep** ArcPrep prepares files and/or directories for archival with arc or any other program that can't scan through different directories and/or handle long filenames. V2.1, includes source. Author: Garry Glendon FF214

**ARCre** Creates rename scripts so that files with long names can be easily archived and de archived correctly by 'arc'. Author: John Hoffman FF53

**arcre** for making "arc" files E.C. AM17

**AreaCode** Program which decodes area codes into state and locality. Version 1.5. Author: Bill Beogelein FF40

**Arex Part II:** Information on how to set up your own ARExx programs with examples. Author: Steve Gilmore. AC7

**ArgoTerm** Yet another terminal emulator program. However, this one is written in macro assembler, so should be of interest to anyone doing serious assembly language development. Version 0.20 Author: Jez San FF12

**Argoterm** Terminal program with speech and Xmodem, Assembler program. source code and executable program. AM3

**Args:** Passing arguments to an AmigaBASIC program from the CLI. Author: Brian Zupke AC2

**Arp** ARP stands for 'AmigaDOS Replacement Project'. Arp is an effort led by Charlie Heath of Microsmiths Inc., to replace the current DOS in a compatible fashion, so that current programs will continue to work. Arp also makes whatever improvements are possible, so that current and future pro, FF53grams will work better. Author: Various authors contributed work FF123

**ARPTools** A group of small utility programs requiring ARP, that have been created to address some deficiencies of the ARP CLI environment, especially to exploit the potential offered by non-named pipes in the ARP shell. Version 1.0, includes source. Author: Fabio Rossetti FF284

**Arq** Replaces the standard system requesters with nice animated requesters which you can also attach different sounds to. Works under AmigaDOS 1.3 or 2.0 to give all the normal system requesters a nice new look. Version 1.61, binary only. Author: Martin Laubach, Peter Wlcek, and Rene Hexel FF527

**Arrange** A text formatting program, Executable program. AM3

**arrow3d** Shows a rotating 3 dimensional wire frame arrow. No source available, executable only (downloaded from a Denver BBS). Author: Steve Beats of C-A FF12

**ArticFox.pic** A IFF screen from ArticFox. AM6

**ARTM** ARTM (Amiga Real Time Monitor) displays and controls system activity such as tasks, windows, libraries, devices, resources, ports, residents, interrupts, vectors, memory, mounts, assigns, fonts and hardware. Includes both a PAL and an NTSC version. This is version 1.0. Binary only. Author: Dietmar Jansen and F. J. Mertens FF327, FF277

**As6502** Contains a portable 6502 assembler, including source in C. Author: J. Van Ornum; Amiga port by Joel Swank FF92

**ASDG-rdd** Useful shareware recoverable ram disk. This AmigaDOS device driver implements a completely DOS compatible disk device in memory that survives resets, guru's, and crashes. An absolute must for those with lots of ram. . It now works with up to 8Mb of memory, and is written in assembly. Binary only. By: Perry Kivolowitz, ASDG Inc. FF241, FF58

**ASendPacket** Example program for sending multiple packets asynchronously to a DOS handler, for those interested in implementing programs with a synchronous AmigaDOS file I/O. Author: Phillip Lindsay FF35

**Ash** A ksh-like shell for the Amiga. Some of its features include command substitution, shell functions with parameters, aliases, local variables, local functions, local aliases, powerful control structures and tests, emacs style line editing and history functions, I/O redirection, pipes, large variety of built-in commands, Unix style wildcards, Unix style filename conventions, filename completion, and coexistence with scripts from other shells. Very well documented. V1.0, binary only. By: Steve Koren FF279

**Ash** Prerelease version of a C-shell like shell program. Has history, command substitution, loops, etc. By: Thorn Smith FF18

**ASimplex** An implementation of the Simplex algorithm for solving linear programs. It uses the standardized MPSX-format for input data files. This is version 1.5, an update to version 1.2 on disk 199. Changes include bug fixes, the ability to run from CLI, it's own window for I/O, and some new and improved commands. Includes source. Author: Stefan Forster FF250, FF199

**Ask** questions an 'execute' file, returns an error code to control. AM15

**AskTask** Allows you to examine various bits of the task structures of all tasks in the system, from the lists attached to ExecBase. Displays priority, state, flags,

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stack, signals, etc. You can also remove tasks, change the priority of a task, or send arbitrary signals to a task. Version 2/4/89, with source. By J. Bickers FF230

**Asm** A shareware macroassembler, submitted by the author. Asm is a 68010 macro assembler that is compatible with the assembler described in the AmigaDOS manual. This is version 1.1, an update to the version on FF46, and includes bug fixes, additional standard Motorola mnemonics and a simple startup code module. Author: Douglas Leavitt FF50, FF46

**Asm68k** Full featured macro assembler, version 1.1.0, binary only. Well documented. By: W. Wesley Howe FF81, FF69, FF66

**AsmExamples** A couple of assembly code examples. Executables are not extremely useful but the code might be of considerable benefit to beginning assembly language programmers. Author: Henrik Clausen FF155

**AsmFilter** In AmigaBASIC turns the output of the Metacomco disassembler into a file that can be re-assembled. FF105

**AsmProgs** Some misc assembly tools, programs, etc. FF105

**asmsupp.i** Sample library example AM5

**AsmToolBox** An assembler 'toolbox' created to make interfacing between assembler programs and AmigaDOS easy. Includes source. Author: Warren Ring FF136

**AsmTools** Some CLI type tools, written in assembler (echo, load it, mounted, setlace, why). With source. By: Bryce Nesbitt FF79

**ASpice** A version of the SPICE 2G.6 circuit analysis program which has been modified to run in the Amiga environment. The program arrays are adjusted to require one tenth the memory of the DEC VAX version. Although this does not usually put much of a constraint on circuit analysis, some users who are used to the full mainframe environment may have to be more aware of the memory demands of their analysis. Requires a minimum of 1 MB memory. This version neither supports nor requires the 68020 processor or 68881 coprocessor. This is Amiga version 5.1, an update to FF177. Binary only. Authors: Many, see Documentation. Amiga port by Dan Warns. FF278, FF177

**AssemblyDemos** An interesting group of assembly language demos for your visual and aural pleasure. Binary only. Author: Foster Hall FF154

**AssemTools** A collection of files of great interest to Amiga assembly language programmers. The collection includes 140 macro routines which make assembly language programming a lot easier. There is also a library of routines containing buffered C-like file handling functions (fopen, fclose, fgets, fputs, etc) and a filename requester. All routines are re-entrant. Includes source for example programs using the macros and library, and a 65c02 cross macro assembler. Author: Jukka Marin FF247

**Assign** Replacement for AmigaDOS assign command, written in C. Author: Charles McManis FF52

**AssignDev** Assigns multiple names to a given device. For example, allows the names 'df0:' and 'df3:' to refer to the same physical device. This is a modified version of the original released on FF79. Includes source. Author: Phillip Lindsay, mods by Olaf Seibert FF111, FF79

**Assigned** Same code showing how to find out whether or not a name has been assigned (via the DOS ASSIGN command) before using it, thus avoiding the DOS Insert-Disk requester. Includes source. Author: Dan Green FF66

**AssignX** A 2.0-only utility to create assignments when you get a "Please insert volume" requester. Also lets you cancel the request, forever. Installs by dropping into your WBStartup drawer. This is version 1.2, an update to version 1.0 on disk 475. Includes source. Author: Steve Tibbett FF487, FF475

**Asteriods** 'blast the asteriods' type game. Unique feature is that all the images and sounds are replaceable by the end user. So instead of ships and rocks, you can have an Amiga against a horde of IBM PC's if you wish. Author: Rico Mariani FF122

**AsteroidField** This is Michael's entry for the 1988 Badge Killer Demo Contest. It is a large animation of a spacecraft flying madly through an asteroid field (chased by unseen foes) that includes a couple of near misses. Author: Michael Powell FF208

**At Your Request:** Using the system-supplied requestors from AmigaBASIC. Author: John F. Weiderhim AC3

**ATCopy** A program to copy files from the Amiga side of a system equipped with a PC/AT bridgeboard, to the PC side, using wildcards. Copies directly through the shared memory. Supports CLI and WorkBench usage. This is version 2.2, an update to version 2.2 on disk 458. With some final bug fixes, this will be the last non-commercial release. Shareware, binary only. Author: Peter Vorwerk FF510, FF458, FF429, FF406

**ATerm V7.2** Term prog. includes Super Kermit. AM17, AM1

**AtMovies** Another of Eric's cute animations, this one starring his cartoon creation Amy the Squirrel and her boyfriend in some hijinks at the movies. Author: Eric Schwartz FF418

**ATOF** A small utility that allows you to use the fonts of another disk without using the CLI. Version 1.0, binary only. Author: Roger Fischlin FF245

**ATPatch** A program which reportedly will patch the Amiga Transformer for operation under Workbench 1.2 (I don't have one so I couldn't test it). Includes source. Author: Philip Staub FF61

**Atree** A disk utility which imitates similar utilities widely available on IBM compatibles (PC Tools, Xtree, QuickDos, etc). The intent is to allow the user a graphic representation of the entire directory structure on a disk device, including the files in each directory, and the capability of moving quickly through the tree to a directory to access its files. Version 1.7, binary only. By: Don Schmidt FF289

**AudioIllusion:** Experience an amazing audio illusion generated on the Amiga in Benchmark Modula-2. Author: Craig Zupke AC11

**AudioScope** AudioScope is a realtime audio spectrum analyzer for the Amiga. Use AudioScope to examine the frequency spectrum of any audio signal received through the PerfectSound 3 audio digitizer. Due to the heavy computational load, an accelerated Amiga is recommended. Binary only. Author: Richard Horne FF543

**AudioTools** Demo programs from Rob Peck's article in the July/August issue of Amiga World on accessing the audio device. This is version 2, an update to the release on FF84. Includes source. Author: Rob Peck FF94, FF84

**AutoActivate** A commodity which activates the window under the mouse: pointer when pressing any key. Requires AmigaOS 2.0. This is version 1.08. Includes german version and source in C. Author: Stefan Sticht FF497

**AutoAddRAM** Allows you to add several non-autoconfig memory boards at once, optionally specifying priority and memory chunk name. This is version 2.03, binary only. Author: Jonathan Potter FF412

**AutoCLI** A 'PopCLI' type replacement that works with WorkBench 2.0 and fully compatible with A3000 & accelerator boards. Always retains the default path and stack, and current directory. Can automatically open CLI/SHELL windows to 1 pixel less than screen size on opening. Other features include an optional Function-key press with the qualifier to execute an S-script file. Version 1.99d, binary only. Update to version on disk 424 with more enhancements. Author: Nic Wilson FF501, FF424, FF399

**AutoEnquirer** An example of a screen contraption that is like a requester except that it's not quite as demanding, goes where you want to put it, and remembers where it was put. Includes source and Manx'ified version of Chris Gray's fractalish terrain generator as a demo. Author: Howard Hull FF89

**AutoFace** Autoface automatically shrinks the ASDG FACC window and moves it to the back. Also allows the number of buffers to be increased or decreased. Most useful from the Startup-Sequence file while booting. Binary. By: Andry Rachmat FF81

**AutoGraf** Collects and graphically displays information on auto mileage. Features such as miles per gallon, cost per mile, miles driven, highs, lows, averages, etc. Includes sample data file, a couple utility programs and source. V1.0 By: Joel Swank FF166

**AutoIconOpen** Example code to fool WorkBench into thinking it is receiving mouse inputs that select and open icons. This is version 1.2, an update to the version on FF73. Includes source. Author: Tony Wills FF87, FF73

**Automat** Cellular automata simulation. AmigaBASIC Program. AM3

**Automata** Automata is an extremely versatile, cellular automaton simulation. Virtually every aspect of the simulation can be altered, saved, and later recalled. Also supplies many powerful editing functions (such as patterns, rotations, reflections, etc) for creating and modifying cell configurations. Additional features include editable icons, an immense variety of rules from which to choose, "music" which changes as the cell configuration changes and methods to speed execution from 3 to 60 (or more) generations per second. Binary only. Author: Jerry Mack FF489

**Automata Four** cellular automata programs. AutomataTron is a one dimensional cellular automaton, Crud is a automaton based on a sum index rule, Demon is a cyclic space automaton described in the Aug 89 Scientific American, and Life is one of the oldest and best known of all cellular automata. Includes source. Author: Gary Teachout FF249

**AutoPoint** Autopoint serves two functions: It automatically selects the window underneath the mouse pointer

and it provides a very nice screen saver facility. Binary. By Jude Katsch FF86

**AutoRequester** example. AM14

**AutoRev** A little utility to make it easy to update program-headers ran from the CLI. Requires AmigaDOS 2.0. This is Version 1.1r. Source included. Author: Jan van den Baard FF502

**autorqstr.txt** Warnings of deadlocks with auto requesters. C program. AM4

**AuxHandler** Example of a DOS handler that allows use of a CLI via the serial port. Includes source. Author: Steve Drew FF79

**AvailMem** A small free memory counter that continuously displays the amount of (and size of the largest block of) free chip, fast, and total memory in bytes (as opposed to K). This is version 1.12, a Workbench 2.0-compatible upgrade to version 1.03 on disk 285. Includes source. Author: Dave Schreiber FF496, FF285

**Avi** An Amiga work-alike version of the UNIX vi editor. Though not especially recommended for beginners, designed for those of you who may have the vi commands permanently hard-coded into your fingertips! V1.0, binary only. By: Peter Nestor FF162

**AVLSort** A text file sort program, based on a general purpose AVL package by Mark Mallett (included). Handles as many lines as will fit in memory. Includes source. Author: Robert Pyron, Mark Mallett FF519

**AvlTrees** Library and test program that implement routines for creating and using balanced binary trees (AVL trees) held entirely in memory. Includes source. Author: Paul Vixie FF103

**AWP** This program animates any wait pointer like the one in WorkBench 2.0. It installs a vertical blank interrupt to minimise CPU usage and is written 100% in assembler for maximum efficiency. It uses two hands for the clock, like it should be, and has nine different user selectable speeds. Requires AmigaOS 2.0. Version 1.0, binary only. Author: Damian Cox FF544

**Az** A nice little text editor that is fast, simple to use, and very Amiga'ized-lots of new features, bug fixes, and other improvements. Binary only. By: Jean-Michel Forgeas FF346, FF228

**AZComm** Modified version of Comm 1.34 that contains Zmodem send, receive, and resume receive. Version 1.00, Binary only. Author: SS. Patel, based on Comm 1.34 by DJ James FF171

**AztecArp** An Arp interface package fixed to work with Aztec 'C' version 5.0. This is version 1.9, an update to the version on disk 376, and includes a number of bug fixes and a couple of new features (such as vsprintf/vfprintf/vprintf-like Arp routines and fixes for Kickstart 2.0). Includes source in 'C' and assembly language. Author: Olaf 'Olsen' Barthel FF436, FF376, FF353

**Back** 2 programs to assist users of Matt Dillon's Backup/Restore program in making error-free VERIFIED backups onto floppy disks and useful as a trackdisk device example. With source. By: Stephen Vermeulen FF284

**Back&Front** Sends a window to back or brings it to front with defined actions. For example put a window in front by double-clicking in it and send it back with the middle mouse button. Any keyboard or mouse event can be trapped. Number of required actions can be changed (double-click vs triple-click). Implemented as a commodity. Requires AmigaOS 2.0. This is version 1.03. Includes german version and source. Author: Stefan Sticht FF497

**BackDrop** Backdrop allows you to define a pattern which will then be displayed on the workbench screen in the normally empty area behind all the windows. Similar in concept to DropCloth, but this one does not require workbench to be loaded (and does not cohabit very well with workbench). Includes source. Author: Eddy Carroll FF216

**BackGammon** A graphical Backgammon game done as an undergraduate A.I. course project. Version 1.0, includes source. Author: Robert Pfister FF120

**Backgammon** Another game in ABASIC by the author of Monopoly. Author: David Addison FF28

**BackPac** Demo version of a new backup program. Features include intuition interface, data compression, 907K written per floppy, full and incremental backups, full or selected restores, inclusion/exclusion patterns, user defined config files, multitasking friendly. Version 1.3, binary only. Author: Canadian Prototype Replicas FF447

**Backup** A simple backup program that writes normal AmigaDOS disks as the backup destination. To recover files, you just copy from the backup disk. Requires manual decisions about what subdirectories to backup to what disks to make everything fit. Includes source. Author: Alan Kent FF98

**Backup** Backup and Restore allow you to backup any directory tree with optional compression, and later

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extract all or part of the tree. The protection, date, and file comment are saved with each file. This is version 2.06, an update to version 2.04 on disk 258. Includes source. Author: Matt Dillon FF434, FF258, FF168 & 169

**Badger** Reminder program for your startup-sequence. Badger will open a window and display any important events that are 'due'. Badger will not bother you if there is nothing to report. Events are entered via menu and prompts. This is version 2.05a, an update to version 2.01e on disk 432. Includes many new features such as event editing and automatic holiday notification. Shareware, binary only. Author: George Kerber FF543, FF432, FF365

**Ball** Draws a ball, an AmigaBASIC Program. AM8

**Balloon** This animation with sound effects is Dave's entry to the 1989 BADGE Killer Demo Contest. Binary only. Author: Dave Schreiber FF272

**balls** Simulation of the 'kinetic thingy' with balls on strings where only the end balls move (quick, can YOU come up with a better description?). Anyway, cute. Author: Perry Kivolowitz FF1

**BallyIII** Amiga port of the former arcade game named Click. This version fixes some minor bugs and is faster than the previous versions. This is version III. Binary only, shareware. Author: Oliver Wagner FF232, FF221, FF205, FF181

**BambooTiger** BambooTiger in LoRes FF72

**band** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**banjo** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Bankn** A complete checkbook system offered by the author as shareware. Update to version on FF120. Version 1.5, binary only. Author: Hal Carter FF163, FF120, AM20

**banner** Prints horizontal banner (across screen). From Decus C distribution of several years ago. Author: Unknown FF4

**BasicBoing** An AmigaBASIC program which shows animation by page flipping. Precalculates all views of a rotating 3Dimensional cube and then cycles through them rapidly for animation Author: Arthur Blume FF43

**BasicProgs** Some more AmigaBASIC programs. LeastSquare solves least squares problems and graphs the results. Curves is a demo of one use for LeastSquare (find curves to fit a set of points). Freud is a Freudian analysis program. Includes source, needs AmigaBASIC from Extras. Author: George Trepal FF105

**BASICSorts** Examples of binary search and insertion sort in AmigaBASIC. AM22

**BasicStrip** An AmigaBASIC program that helps to convert programs written in other forms of Basic to AmigaBASIC. Author: George Trepal FF121

**bass guitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Batch Files:** Executing batch files from AmigaBASIC. Author: Mark Aydelotte AC4

**Batchman** A program that allows the user to execute CLI programs and batch files simply by clicking on a gadget. It can be used as the center of a turnkey system, where the user simply clicks on gadgets to launch applications. Version 1.1, includes source in Modula-II. By: Michal Todorovic FF325

**BatchMaster** A program that makes creation of interactive command scripts a lot easier. It works as commands ASK, IF and SKIP together, only better. You can have up to four options to skip to, and select them with a mouse, as BatchMaster has an Intuition interface. This is version 1.27. Requires arp.library. Binary only. Author: Janne Pelkonen FF521

**BatchRequester** A simple program which opens an Arp filerequester and writes the result to an environment variable. Very useful if used in batchfiles. Version 1.1, source code in Oberon. Author: Christoph Teuber FF436

**BattleForce** A nicely done shareware game, submitted by the author, that simulates combat between two or more giant, robot-like machines. This is version 3.61, an update to version 3.01 on disk 205. Binary only. Author: Ralph Reed FF273, FF205

**Bawk** Text processor inspired by the UNIX Bawk utility. This is an update to the copy released on FF 65. Bawk searches files for specific patterns and performs actions for every occurrence of these patterns. The patterns can be regular expressions. The actions are expressed using a subset of the C language. With C source. By: Bob Berard: Amiga port by Johan Widen FF92, FF65

**bBaseII** A simple database program using an intuition interface. Stores, sorts, and searches for information. Limited to 9 fields in each record. Features include fast sorting, search in any field, and best of all, it's really easy to use. Binary only. Author: Robert Bromley FF491

**BBChampion** This is BootBlockChampionIII, a very nicely

done program that allows you to load, save, and analyze any bootblock. V3.21. New features include checks for five different LAMER viruses. Binary only. By Roger Fischlin FF298, FF244,

**BBFormat** A floppy disk formatter for diskettes with hard errors. Bad media areas are mapped out so AmigaDOS will not use them. Presently not intuionized, runs from CLI only. Version 5/7/91, includes source. Author: David Varley FF493

**Bbm** Demo of B.E.S.T. Software's Business Management System. A full implementation with file sizes reduced for demo purposes. by Business Electronics Software & Technology Inc. FF43

**BBS** A BBS for the Amiga (BBS-Amiga Version 1.1). Author: Ewan Grantham Author's suggested shareware donation: \$25 FF30

**BbsList** A list of Bulletin Board Systems which support the Amiga. The list was compiled from a list on Delphi, Compuserve, bathroom walls, etc. Author: Dick Sheffold FF43

**BCBMusic** This is the second set of original music in the BCBmusic series. This set includes the songs "Still Waiting", "Transpose", and "Trilogy". Like the first set (on disk 428), no player program is required since it is actually compiled in with the song. These new songs include a new equalizer-style graphic display which can be toggled on and off. WB2.0 compatible, binary only. Author: Brian C. Berg FF538, FF428

**BCF** FORTRAN-77 compiler, linker, and runtime support library. No Amiga specific hooks, just vanilla FORTRAN. ANSI compatible with extensions. Version 1.3c, binary only. Author: Andre Kostli FF470

**BeachBirds** Jerrold Tunnell's entry to the Badge Killer Demo Contest. Uses sprites and sound to portray a beach scene. Runs on a 512K machine. Binary only. Author: Jerrold Tunnell FF112

**BeBopDemo** A demonstration version of the commercial game BeBop 'N Drop. BeBop 'N Drop is a real-time graphical arcade puzzle game, a greatly enhanced version of the popular shareware game Obsess-O-Matic. The object is to fit the falling pieces together in such a way as to form complete horizontal rows, which will then disappear off of the board. BeBop 'N Drop contains 77 different levels of play, each with a different shape board. The game contains over 800 different playing pieces, more than 450K of digitized sound, and many interesting visual effects. Binary only. Author: Wayne Phillips FF550

**beep** Source for a function that generates a beep sound, like CTRL-G on a VT100 terminal. Author: Samuel Dicker @ Commodore-Amiga FF14

**bells** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Berserk** This animation, unveiled at the September 87 meeting of the First Amiga Users Group, got Leo a standing ovation. It is a 'mugger' for every Amiga user, and ranks up there with 'Juggler' as a premier demo for the Amiga. The difference between this distribution, and the one on disk 100, is that this one includes 'source'. I.E. it contains all the object descriptions necessary to recreate the animation. Thus you can, if you like, try modifying various objects to create slightly different animations, or use it as an example for creating your own animations. Seldom does a disk get devoted to a single program, however animation is one of the Amiga's greatest strengths, and I felt it was appropriate to have at least one animation that was available at the 'source code' level. Author: Leo Schwab FF132, FF100

**Berserker** Detects and eliminates viruses. Knows all 'popular' viruses and their kin, including the new 'Centurion' and 'Traveling Jack' link viruses. Comes with a resident handler which continually checks memory to prevent virus infection and a utility to fix programs corrupted by the 'Centurion' and 'Traveling Jack' viruses. Version 5.02, an update to the version on disk 355. Contains partial source in assembly. Author: Ralf Thanner FF436, FF355, FF280

**Bertrand** A graphics demo. AM8

**Better String Gadgets:** How to tap the power of string gadgets in C. Author: John Bushakra AC4

**Bezier** Simple programs to allow you to fool around with Bezier curves, using the mouse to move the points that define the curve and a prop gadget to change the granularity of the curve generation loop. Includes source. Author: Matt Dillon FF75

**bgrep** Another grep like utility, also using the Boyer-Moore algorithm. Author: Roy Mongiovi and Arnold Robbins FF4

**BI** A brush to C code image converter. This is version 1.3, an update to version 1.0 on disk number 184. Contains bug fixes and support for AmigaBasic. Binary only. Author: Terry Gintz FF375, FF184

**BigBrother** A virus infection detection program with some optional utilities. It runs as a normal task and checks every 1 second the important memory

locations in the Amiga. As a bonus, BigBrother is capable of starting a new shell, starting script files, viewing and installing bootblocks. All this in a program less than 10K. Includes assembly source. Author: Erwin van Breen FF473

**Bigmap** Program which demonstrates how to use the low-level graphics calls, ScrollVPort especially. Demonstrates scrolling around inside a very big bitmap. Author: Leo Schwab FF33

**BigView** Displays any IFF picture, independent of the physical display size, using hardware scroll. Default display size is 320 by 200 in lo-res; HIRES or LACE attributes added if user width/height exceeds low resolution boundaries. Includes source. Author: John Hodgson FF58

**Bind** A binding (glue) library builder. Takes a standard '.fd' (function definition) file and generates a binding library for the functions defined in the '.fd' file. Version 1.2, an update to the version released with midilib on disk 227. Binary only. Author: Bill Barton FF309

**Bio-feedback/Lie detector Device:** Build your own lie detector device. Author: John Iovine. AC9

**Bison** A replacement for UNIX 'yacc' command. This is from the GNU (GNU is Not UNIX) effort. Contains updates to the version on FF136, submitted by two separate sources. Includes source. Author: Bob Corbett and Richard Stallman, updates by William Loftus and Scott Henry FF155, FF105, FF136, FF51, FF4

**BizCalc** A do-it-all user friendly loan calculator that calculates weekly and biweekly loans. Can generate amortization tables to the screen, to the printer, or to a file. Uses menus, buttons, or keyboard commands, and iconifies. Has six decimal precision option and more. This is version 1.2, an update to version 1.1 on disk 493. Binary only. Author: Michel Laliberte FF535, FF493

**BlackBook** Keeps track of those important phone numbers and addresses. Shareware, author suggests \$30 donation. Author: Craig Nelson FF70

**BlackBox** The black box is an 8x8 grid in which several 'atoms' are hidden. Your job is to find the atoms. You have at your disposal a ray projector which you can use to send rays into the box from any of the 32 spots around the box. Binary only. Author: Tim Kemp FF178

**BlackJack** A blackjack simulation program with the ability to simulate nearly any casino blackjack game in the world. Allows the use of the most popular playing strategies and modifications to them. Has color coded strategy tables to enhance the learning of the strategy. Tracks basic statistics such as number of hands played, bankroll limits, casino profitability and others. Allows from 1 to 7 players, including the computer. Has online help, a demo mode, and a special practice mode. Version 1.01, shareware, binary only. Author: Dan Cogliano FF427

**BlackJack** A line oriented (no graphics) blackjack game. Author: Unknown FF19

**Blankette** VERY tiny screen blanker/dimmer. Very nice on your system, very little CPU time, compatible with just about everything. Dims screen rather than going black. Includes assembler source. Author: Max Bithead FF475

**Blink** A linker written as a replacement for Alink. Fully Alink compatible and supports many additional options not found in Alink. Also is much faster than Alink and produces smaller executable files. Version 6.5. Author: Combined efforts of the Software Distillery FF40, FF34, AM12

**Blit** This animation is Richard's entry to the 1989 BADGE Killer Demo Contest. An interesting feature of this animation is that it uses the Copper to show the lower right corner of the screen in Hi-Res, while leaving the rest of the screen in Lo-Res. Binary only. Author: Richard Addison FF276

**BlitDemons** This program implements the Demons cellular automaton as described in the August, 1989, issue of Scientific American. Using extremely simple rules it exhibits rather complex behaviour. Uses the blitter to perform over 350,000 cell-generations per second. Version 1.0, includes source. Author: Walter Strickler FF256

**BlitLab** Blitlab is a program which lets you experiment with the blitter, to your hearts content, in relative safety. It opens a workbench window with gadgets for all the registers of the blitter, and allows you to manipulate individual registers and perform blits on a magnified bitmap. V 1.4, an update to FF84. Includes source. Author: Tomas Rokicki FF191, FF84, FF69, AM20

**BlitterSand** An interesting cellular automata program that gets its roots from a 'sandpile'. Intriguing to watch. Includes assembly source. Author: Mike Creutz FF387

**Blitz Basic:** Here are some examples created with M.A.S.T.'s integrated BASIC environment. Author: Paul Castonguay AC13

**Blitz** Blitz is a small program that is designed to be loaded into memory and that sits in the background until

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activated by its hot key. It allows you to view a text file, much like a TYPE command, only that it lets you move forwards and backwards through the file. Its screen updates are blitz'n. Binary only. By: Hayes Haugen FF60

**BlitzFonts** Blitzfonts makes text output up to 6 times faster, transparently to well behaved programs. It is also very small and written 100% in assembly for maximum speed. Binary only Author: Hayes Haugen FF60

**Blk** A requester making tool employing various recursive algorithms including a recursive parser. It takes input text files and converts them to C-source for including as requester declarations. Update to FF152, with many enhancements. Includes source. Author: Stuart Ferguson FF191, FF152

**Blot** Another screen hack. Makes red drops of slime flow down your screen. Version 1.1, includes source in C. Author: Guido Wegener FF358

**Blobs** A simple graphics program, reminiscent of the UNIX 'worms' program, but in color of course. By: Peter Engelbrite FF15

**Blocks2** Amusing and colorful display of a moving trail of 'blocks'. Update to version on FF71, however this version also includes source. Author: Gary Walker FF156, FF71, AM1

**bm** A grep like utility using the Boyer-Moore algorithm. Author: Peter Bain FF4

**BMake** A GNU Make subset. Includes pattern rules, conditionals, "include", function calls, etc. This is Version 1.4, with source. Author: Ben Eng FF523

**BMAP Reader** by Tim Jones. AM14

**BMon** System monitor AmigaBASIC program; perform simple manipulations of memory. AM24

**BMP** plays 8SVX sampled sounds in the background while something else is happening in the Amiga, as your Amiga is booting, for example. AM26

**BNTools** Three examples of assembly language code from Bryce Nesbitt: AM24

**BobEd** BOB and sprite editor written in C. In C source code, executable program and documentation. AM20

**bobtest.c** BOB programming example. C program. AM5, AM4

**Boing!** Boing! demo, with selectable speed. Executable program. AM9

**BoingDemo** Demo version of a neat game due for release in March 1990. It is fully functional but the play time is limited to five minutes per play. Version 0.30, binary only. Author: Kevin Kelm, Alternate Realities FF335

**BoingMachine** A ray-traced animation of a perpetual motion Boing-making machine, includes the latest version of the Movie program, which has the ability to play sounds along with the animation. By Ken Offer. AM24

**BoingThrows** A 50 frame HAM animation done with Sculpt-3D, and minor touchups with DigiPaint. The animation took about 325 hours of runtime to generate. Author: Marvin Landis FF134

**boink** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**BootBack** A handy little utility to copy and save the boot block from a disk, then later restore it should the disk get stomped on by some ugly virus. Includes source. Author: David Joiner FF157

**BootBase** Another bootblock save/restore utility. Includes an auto-compare function. Includes source. Author: Steven Lagerweij FF363

**BootBlocks** Detailed documentation on what a bootblock is and how it works, along with some sample bootblocks and a program to install a custom bootblock. Includes source for the sample bootblocks and the install program. By: Jonathan Potter FF242

**BootCACHE** Utility to turn off the 68020/68030 instruction and data caches upon rebooting. This improves chances of old programs (especially games) working on Amigas with one of these processors (e.g. the A3000). Version 1.0, includes source in assembly. Author: Nico Francois FF418

**BootGames** Two tiny games which fit on the bootblocks of a boot disk. BootOut is a Breakout style game and Squash is a squash type game (just like on those old V games). BootOut V5.X and Squash V4.3. Includes assembly source. Author: Paul Hayter FF537

**BootGen** This program creates a bootmenu. You simply enter the name of ten programs and the program will do the rest. When you boot the disk a menu will appear where you can choose one of ten program names, which automatically will be loaded. Version 3.4, binary only. Author: Frank Enderle FF533

**BootIntro** This program creates a small intro on the bootblock of any disk, which will appear after you insert the disk for booting. This is the 'next generation' BootIntro, a more colorful version than the one on disk 244, but the text must be shorter. The first line can be up to 24 characters. The second and third lines can be up to 22 characters. The scrolling text can be up to 98 characters. This is 'next generation version 1.1'. Binary only. Author: Roger Fischlin FF245, FF244, FF188

**BootPic** BootPic allows you to install nearly any IFF picture that you like in place of the WorkBench hand that appears after a reset. Version 1.1, an update to version 1.0 on disk 484. Now includes an Intuition interface. Binary only. Author: Andreas Ackermann FF532, FF484

**BootX** Yet another virus killer. BootX can check the bootblock of a disk, check memory for any resident viruses, and scan a disk for link viruses. It can load bootblock libraries for you to write on your disks as an alternative for the boring DOS install bootblock. It can load brain files so you can add any new bootblocks that BootX does not yet recognize. BootX is written completely in assembly for maximum speed and minimum size. Fully supports AmigaDOS 2.0. Version 3.80d, an update to version 3.40 on disk 420. Binary only. Author: Peter Stuer FF542, FF420

**Bounce** This program is Steve and Tom's entry for the Badge Killer Demo Contest. It creates little dots that bounce around and multiply. With source. By: Steve Hansel and Tom Hansel FF127

**bounce** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Bouncer** A 3D simulation of a bouncing ball written in Creative Solutions' Multi-Forth, with source included. By: Jon Bryan FF67

**Bowl** This is Vern's entry for the 1988 Badge Killer Demo Contest. It is a Sculpt-Animate animation that shows three colored balls flying in circles above a mirrored bowl. Rendering the animation took about 2 weeks. Distributed in zoo format because of its size (zoo program included for easy unpacking). By: Vern Staats FF209

**box** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**BPDI** Demo version of a new strategy game written in GFA-BASIC. German version only. Binary only. Author: Dirk Hasse FF411

**BreakOut** A 3D game. Requires 3D glasses. By Tim Kemp FF50

**Bref** A cross reference program for AmigaBASIC code. Generates a list of the BASIC code with lines sequentially numbered, plus a table showing all variables and labels used in the code, and the line numbers where they were used. This is version 2.0, an update to version 1.0 on disk 283. This is a major revision, including a new intuition interface. Includes source. Author: Dick Taylor FF494, FF283

**Breshehan** A Forth program which produces a Breshehan circle algorithm example. AM11

**BrickOut** Classic computer brick wall game, ABASIC program. AM1

**brickout** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Bridging The 3.5"** Chasm: Making Amiga 3.5" drives compatible with IBM 3.5" drives. Author: Karl D. Belson. AC9

**Brik** A general purpose program that calculates both text and binary cyclic redundancy codes (CRCs). Text mode CRCs calculated by brik are portable across systems for files that are in the usual text format on each system. Binary mode CRCs are portable for files that are moved from system to system without any change. Brik can be used to verify and update an embedded checksum header in files. It runs under MS-DOS, UNIX system V, BSD UNIX, VAX/VMS, and AmigaDOS. This is version 2.0 and includes source. Author: Rahul Dhese FF233

**Brownian** A demo based on both fractal theory and brownian motion. Includes source. Author: John M. Olsen FF206

**Browse** View text files on a disk, using menus in source code and executable, a C program. AM8

**Browser** A program that lets you wander around a file tree and peek into files, all with the mouse. Author: Mike (I'll be mellow when I'm dead) Meyer FF18

**Browser** A "Programmer's Workbench". Allows you to easily and conveniently move, copy, rename, and delete files & directories from a CLI environment. Also provides a method to execute either Workbench or CLI programs by double-clicking them or by selecting them from a ParM like Menu with lots of arguments. A Browser 1.6 replacement, does everything Browser 1.6 does and a lot more. Version 1.0, includes source in C. Author: Sylvain Rougier, Pierre Carrette FF540, FF476, FF180, FF134

**Browser** Another version of the browser program released on disks number 18 and number 34. Includes some bug fixes and enhancements. Includes source. Author: Mike Meyer, enhancements by Mark Schretlen FF59

**Browser** Updated version of the browser program released on FF18. This one has been 'manified', has scroll bars, and several bugs fixed. Author: Mike Meyer,

enhancements and fixes by Bob Leivian FF34

**Browser2** This browser type program is apparently not based on the original Mike Meyer version. Binary only. By Dan Green FF59

**Bru** Alpha 1 version of a hard disk and/or file archiver written for UNIX. This is a vanilla port, with very little Amiga smarts, but it is usable. Last freely redistributable version. By Fred Fish FF48

**Brunjes** Various tools submitted together by the author. StringPkg is string package for both Forth style and NUL terminated strings. Date&Time are handy tools for getting and printing formatted date and time. Utills are utilities used by the other files. CursorControl is an example of moving the text cursor. SpaceOrEscape is a handy word for pausing or stopping program output. Includes source code. Author: Roy Brunjes FF239

**Brush2C** Brush2C converts an IFF brush to C data instructions, initialization code. Executable program. AM9

**Brush2Icon** Brush2Icon converts an IFF brush to an icon. Executable program. AM9

**Brush\_4D** Converts IFF images into Sculpt 4D object format. Works with any IFF image, including HAM & Extra Halfbrite. Convert brushes in full color, with optional wrap, to 3D shapes. Also includes optimization routine. Version 1.00, shareware, binary only. Author: Bruce Thomson FF361

**Brushes** Contains 53 custom brushes for use in DPaint while drawing schematics. Includes things like resistors, capacitors, gates, transistors, IC pacs, etc. Author: Jim Lee FF81

**BrushIcon** Converts brushes to icons (bizzarr docs). AM25

**brushtoBOB** Converts small IFF brushes to AmigaBASIC BOB OBJECTS, an AmigaBASIC program. AM11

**bsearch.asm** Binary search code. Assembler program. AM2

**BSplines** Simple program to fool around with B-SPLINES, ala Bezier programs. Includes source. By Matt Dillon FF75

**Bspread:** A powerful spread sheet program written in AmigaBASIC. Author Brian Catey AC1

**BTE** Bard's Tale character editor. Executable program and documentation. AM19

**BTNTape** A Better Than Nothing SCSI tape device handler. It provides flat file access to a SCSI tape drive from application programs using simple DOS calls to Read() and Write(). It can also be used with the Amiga TAR utility for disk backups. It requires a SCSI-direct compatible SCSI bus adapter but will also work with the A2090(A). It now supports many more tape drives, and has some new features. This is version 2.0, an update to version 1.0 on disk 392. Includes source. Author: Robert Rethemeyer FF471, FF392

**Btree** Routines to implement a B-tree algorithm and several accompanying tests, apparently derived from the single file version also included on this disk under "Btree2". Still buggy, but looks useful with a little work. Author: Richard Hellier, posted to usenet by Steve Jefferson FF34

**Btree2** Previous (original) version of btree routines. Author: Richard Hellier FF34

**Budget** A program to help with managing personal finances. Version 1.3.3, an update to version 1.302 on disk 452. Binary only. Author: Le Lay Serge Camille FF546, FF452, FF416

**Bugs** Another gag-program. Be careful! It may destroy graphics, but nothing else! Can be stopped by pressing the firebutton of a joystick in port 1. Includes source in Modula II. Author: Robert Brandner FF549

**Bugs** Text of known bug list in Lattice C 3.02. AM1

**Bully** Mike Meyer's entry for the Badge Killer Demo Contest. Pushes all open screens around (thus the name 'bully'). Designed for showing off more than one demo at a time Includes source. Author: Mike Meyer FF112

**ButExchange** An input handler to help left handed Amiga users. It reverses the function of the mouse buttons, so that the left button becomes the right and vice versa. Very small, uses only 168 bytes of memory. This is version 1.1, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**C Itoh Prowriter** Printer driver for the C Itoh Prowriter. AM9

**C Notes 6.2:** A reminder program to display messages. Author: Stephen Kemp AC13

**C Notes 6.3:** Working with functions. Author: Stephen Kemp AC13

**C Notes From The C Group:** A discussion on cryptography. Author: Stephen Kemp AC12

**C Notes From the C Group 5.8 & 5.10:** Functions supporting doubly linked lists, and a program that will examine an archive file and remove any files that have been extracted. Author: Stephen Kemp AC11

**C Notes From the C Group:** Doubly linked lists revisited. Author: Stephen Kemp AC10

# Freely Redistributable Software

**C Notes From the C Group:** Writing functions that accept a variable number of arguments. Author: Stephen Kemp AC8

**C Notes V4.9:** Look at a simple utility program in C. Author: Steven Kemp AC5

**C Notes:** Doing linked list and doubly linked lists in C. Author: Stephen Kemp AC10

**C Notes:A** A small program to search a file for a specific string in C. Author: Steven Kemp AC4

**C Notes:B** The beginning of a utility program in C. By Steven Kemp AC4

**C Notes:C** Recursive functions in C. Author: Stephen Kemp. AC7

**C Notes:D** A look at two data compressing techniques in C. Author: Stephen Kemp. AC7

**C Squared** Graphics program from Scientific American, Sept 86. In C source code and executable. Documentation included. AM14

**C-Functions** A group of four little C-functions to add to your library to make your programming life a little easier. Includes source and a small demo program showing some of the results. Author: Lars Thuring FF164

**C-kernit** Port of the popular 'kernit' program, a flexible virtual terminal and file transfer program from Columbia University. Author: Unknown, ported to Amiga by Davide Cervone FF26

**C-Light** A demonstration copy of a commercial ray tracing program, which is identical to the commercial version except that it has been limited to ten objects per scene. Binary only. Author: Ronald Peterson FF146

**C64Emul** An April Fools spoof. Turns your Amiga into a C64, or at least makes it look that way. With source. By Eddy Carroll FF216

**CacheCard** An accessory to SetCPU for use with A2620 cards or 68030 systems. It modifies the MMU table set up by SetCPU to selectively control caching for each expansion card. It's also an example of how an accessory program can track down and modify the SetCPU MMU table without having to read all kinds of MMU registers and figure it out for yourself. Version 1.00, includes source. Author: Dave Haynie FF233

**CacheDisk** Improves floppy disk throughput by caching entire tracks of data. Buffers disk reads and writes for maximum speed gain and has a user settable number of buffers for each drive. Version 1.0, binary only. Author: Terry Fisher FF462

**CAD** An object-oriented drawing program, version 1.2.4. Uses a small set of graphics primitives (like 'line', 'box', and 'text') and a small set of editing functions (like 'move', 'size', and 'rotate'). While drawing and editing, the user can call on other functions to modify the display; to zoom in, slide around, superimpose a grid, etc. Shareware, binary only. Author: Tim Mooney FF74, FF59

**CAI:** A complete Computer Aided Instruction program with editor written in AmigaBASIC. Author: Paul Castonguay AC1

**Calc** A programmable calculator program with similarities to a hand-held RPN calculator. Can run either interactively or in 'script' mode by reading programs from a file. Version 1.0, shareware, binary only. Author: Bob Brooks FF103

**Calc** A shell style, command-line calculator. Calc does not have a fancy keypad display as many other calculator programs do. Instead, it is capable of taking its input from a file, the keyboard, or a command line and outputting its results to a file or the screen. It can also apply a single equation to all of the values stored in a file (or files). It handles all common mathematical expressions, can optionally predefine physical constants and store variables. Version 2.0, binary only. Author: Bill Dimm FF388

**Calc** A very nicely done scientific/programmer/plotter calculator. The scientific portion has most of the operations found on the more popular handhelds. The programmer portion has all the special hex/binary/decimal conversions as well as register operations like ASL, ROL, LSL, AND, OR, XOR, etc. The plotter portion will plot equations. Other features include 26 memories, full mouse or keyboard operation, pull-down menus, and iconization. V 3.0, binary only. By Jimmy Yang FF210

**CalcKey** A basic four function, memory resident, pop-up calculator which uses only about 24K of memory and can automatically type the answer to any calculation into the program you were using when it was popped up. Version 1.0, binary only, shareware. Author: Craig Fisher FF235

**Calculation** Demo version of a solitaire type card game. The object of the game is to take the cards into four ordered stacks, one that counts by one, another that counts by two, another that counts by three and another that counts by four. Version 1.0.2, binary only. Author: Steve Francis FF260

**Calendar** A program that generates calendars in any one of 10 standard formats for any year after 1900. Binary

only. Author: Pierre A du Parte FF269

**Calendar** Appointment calendar which lets you visually add and update appointments. Can also run in background and remind you 15 minutes before any scheduled event. Amiga port by Bob Leivian FF34

**Calendar** Calendar/diary program written in AmigaBASIC. Author: Mark Hurst FF32

**Calendar.WKS** Lotus-compatible worksheet that makes calendars. AM18

**CaligariDemo** Demo version of Caligari 2.0 from Octree Software. Requires a 68020/68030 and a 68881/68882. Binary only. Author: Octree Software FF531

**Call Assembly language from BASIC:** Add speed to your programs with Assembly. Author: Martin F. Combs. AC8

**calliope** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Calls** A little utility to help analyze the flow of a C-program by laying out the functions called in a hierarchical manner. Author: Originally from Usenet with major revisions by Kevin Braunsdorf, Amiga port by George MacDonald FF160

**Canon PJ-1080A** Printer driver for the Canon PJ-1080A. AM9

**CanonBJ** A printer driver for the Canon BJ series of printers. Faster and supports more graphic and text modes than the standard Commodore driver. Shareware, binary only. Author: Wolf Faust FF446

**canvas** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Car** A two-dimensional full screen scrolling racing game with realistic four channel stereo sound and overscan, for either NTSC or PAL Amigas. The goal is to guide your car around one of ten selected tracks. Each track has its individual high score list. Version 2.0, binary only. Author: Anders Bjerin FF336

**Car** This animation is one of Allen's entries to the Badge Killer Demo Contest. It apparently is an inside joke relating to a well known Amigan's experience with a certain highend graphics hardware manufacturer. Author: Allen Hastings FF123

**car horn** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**cardco** Text file of fixes to early Cardco memory boards. AM12

**cardfi** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**CardFile** Simple card file database program. ABasic AM1

**CardFile** Study aid card file program written in AmigaBASIC. Useful for organizing small blocks of data, such as can be done with a 3X5 card file system. Binary only. By James Parks FF90

**CardMaker** A programmer's aid for creating card image data that can be used in any card game that uses the standard 52 card deck. This is version 2.1, an update to version 1.0 on disk number 184. Contains bug fixes and support for AmigaBASIC. Binary only. Author: Terry Gintz FF375, FF184

**Cards'O'Rama** A simple game that let's you push your memory. It is played with a deck of 32 cards, grouped in 16 pairs. The cards are shuffled and then displayed at the beginning of each game. Your goal is to pick up as many pairs as you can, until there are no cards left on the screen. V1.0, includes source. By Werther Pirani FF186

**Cartoon** HiRES Color fantasy humor FF72

**caseconvert** Modula-2 program which converts Modula-2 keywords to uppercase. AM11

**Casino** Games of poker, blackjack, dice, and craps. ABasic program. AM3

**CassEtI** Cassette tape label printer. Includes source in GFA Basic. Author: Thorsten Ludwig FF346

**Castle** A simple graphics adventure game suitable for beginners. Binary only, but source available with a small donation to the author. Author: H. James Fox FF174

**Cathy** A HAM picture of a pretty girl FF72

**CBBS** A W0RLD-like BBS system for use in amateur radio. Originally written for IBM-PC compatibles, it was ported to the Amiga by Pete Hardie. This is version 6.71a, an update to Version 6.1c on disk 241. Binary only, source available from Pete Hardie. Authors: Hank Oredson, the CBBS group, Pete Hardie FF415, FF241

**CBDump** This is a CLI utility for those who are working with the Amiga's clipboard device. It's sole purpose in life is to dump the current contents of the clipboard to stdout or by redirection to a pipe or a file. Useful for testing and interfacing with programs that do not support the clipboard. Source included. By: Stephen Vermeulen. FF326

**Cc** C compiler front ends for Manx and Lattice C, developed independently by Jay T's. These automatically filter off the annoying banner messages from various

passes of the compilers Author: Jay T's FF43

**cc** Aid to compiling with Lattice C. AM1

**cc** nix-like front end for Lattice C compiler. Author: Fred Fish FF2

**CCLib** An implementation of the standard C runtime library, with a few extra goodies thrown in. Supports a large number of functions including stream I/O, low-level I/O, string, memory, linked list, sorting, time, process control and more. Version 3.0, includes source and several utility programs. Author: Robert W. Albrecht FF399, FF260

**CCutils** Eight small CLI utilities that use the cclib library shared library. Includes a program to display disk usage on your menu bar, a program to check the integrity of IFF files, a program to remove shared libraries from memory if they are not being used, and more. Binary only. Author: Robert Albrecht FF286

**CDecl** English to C (and vice versa) translator for C declarations. This little gem will translate english such as 'declare foo as pointer to function returning pointer to array 10 of pointer to long' into 'long' ("(\*foo())[10]", and vice versa. Update from version on FF114. Includes source. Author: Graham Ross with enhancements by David Wolverton, Tony Hansen, Merlyn LeRoy, Udi Finkelstein and probably others! FF167, FF114

**Cell Animation:** Using cell animation in Modula-2. Author: Nicholas Cirasella AC5

**CELLS** A cellular automata experimentation lab, based on the rules described in the Computer Recreations column of the Scientific American, January 1990. Version 1.3. Source included. Author: Davide Cervone FF502

**CellScripts** Makes cell animation scripts for Aegis Animator, in AmigaBASIC. AM21

**CenterScreen** A commodity which centers the frontmost screen horizontally on hotkey. Useful if you normally operate with overscan screens and an old program opens a normal size screen. Requires AmigaOS 2.0. This is version 1.05. Includes german version and source in C. Author: Stefan Sticht FF497

**cforth** A highly portable forth implementation. Lots of goodies. Author: Allan Pratt FF3

**ChangeColors** A new palette tool to change the colors of the workbench or any other public screen. The feature of this tool is its font independence; it uses the font of the screen on which it opens, instead of insisting on topaz 8. Looks really great if you use any other font than topaz on your workbench screen. This is version 1.03. Includes german version. Binary only. Author: Stefan Sticht FF497

**Charon** Charon is Bradley's entry for the First Annual Badge Killer Demo Contest. The text of the demo was written by Lord Dunsany (long before the Amiga). Bradley created the illustrations and animation. The sound track is a traditional Scottish tune 'The Arran Boat'. by: Lord Dunsany (1915), Bradley Schenck (1988) FF198

**CheatSheet** A compilation of cheats, hints, backdoors, helpful bugs, passwords, codes, solves, and walkthroughs for over 150 Amiga games. February 1st, 1991 edition, an update to January 1st edition on disk 431. Author: Mark Shnayer FF456

**Check** A useful little utility for finding structural errors in C-source code. Many command-line options. Version 1.03, binary only. Author: Keith Elbertson FF160

**Check4Mem** Allows you to check from a batch file for a specified amount of memory with certain attributes. If the requirements are not met, a WARN returncode is generated. Version 3, update to the version on FF242. Binary only. Author: Jonathan Potter FF412, FF242

**CheckBook** Checkbook Accountant is a checkbook recording, balancing, budgeting, and analyzing program. Intended to be used as a companion to a checkbook register and not as a replacement, this program offers a simple way of balancing checkbooks, tracking bank transactions, and recording and analyzing budgeted transactions. This is version 2.0, an update to version 0.9 on disk 425. Some of the new features include: Sort, Move, Duplicate, Program Prefs, Reoccurring Transaction Groups, Statistics, and Search & Replace. AmigaDOS 1.3 or Release 2 required. Binary only. Author: Jeffrey R. Almasol FF515, FF425

**CheckIFF** Program to check the structure of IFF files and report any problems. Binary only. Author: Unknown FF81

**CheckModem** A program which provides for executing other programs from your startup file, if and only if there is actually a modem connected to the serial port. Author: Matt Dillon FF46

**CheckPrt** A small program for checking the presence of a parallel printer from within a script file. Binary only. Author: Tom Kroener FF479

**CheckPrt** A small program for checking the presence of a parallel printer from within a script file. Update of

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version on disk 479. Now also includes two small tools to test the state of some lines of the printer port, to make it easier to find the source of printer problems. Binary only. Author: Tom Kroener FF521

**Cheetah** A picture of a cheetah. AM15

**CheetSheet** A compilation of cheats, hints, backdoors, helpful bugs, passwords, codes, solves, and walkthroughs for over 150 Amiga games. January 1st, 1991 edition. Author: Mark Shnayer FF431

**Chemesthetics** Chemesthetics is a program that draws molecules using the calotte model. This means that atoms are drawn as bowls. Using this model, even extremely dangerous molecules like dioxine look quite nice. Chemesthetics has an Intuition user interface, can save pictures as IFF files, and has many example files. This is version 2.06, an update to version 2.00 on disk 427. Includes source in C. Author: Joerg Fenin / Metalworx FF536, FF427

**CheminiMaTe** A program to make animations of chemical reactions with the purpose of recording it on a video tape. It is a programming language, containing expressions, nested loops, etc. It can handle molecules with in total up to 64 atoms, and lines between atoms. Works correctly under PAL. Version 0.8, examples and source (in DICE C) included. Author: Klaas van Gend FF542

**Chess** A port of a chess game posted to Usenet. This is an update to the version first included on disk 96. It has been upgraded to use an Amiga Intuition interface. Version 2.0, binary only. Author: John Stanback; ported to Amiga by Bob Leivian Version 2.0 upgrades by Alfred Kaufmann FF205, FF96

**ChessTutor** Chess tutor is a program designed to introduce novice chess players to the basics of the game. Shareware, written in AmigaBASIC. Author: William Jordan FF269

**Child** Toddler digitized forever in Amiga history, an IFF picture. AM7

**ChinaChallenge** A game similar to Shanghai or Mahjong. The goal is to remove all parts of the pile, the so called Dragon, step by step. This dragon is composed of 120 different game pieces. You can always find four pieces displaying the same picture or chinese symbols. This is version II, an update to the version on disk 312. Changes include some bug fixes, unlimited undo, saving and loading of games, background music, title screen, etc. Binary only. Author: Dirk Hoffmann FF444, FF312

**CHIP8** CHIP8 is a programming language popularised by the RCA COSMAC VIP, DREAM 6800, and ETI-660 hobby computers. It is one step up from machine code (actual hex codes), yet allows the creation of some very simple, very small games. Version 1.1, includes assembly source and some demo games. Author: Paul Hayter FF537

**ChkFrag** A program that reports on the extent of file fragmentation in any specified directory tree. Binary only. Author: Timeus FF519

**Chop** A program which uses a hotkey to chop a displayed screen down to a temporary maximum of 4 planes in lo-res or 2 planes in hi-res, allowing the processor full speed access to chip memory. Only the displayed screen is affected, the program painting the screen continues to work with the full color palette. Unchopping the screen puts everything back to normal. Version 1.0, binary only. Author: Nico Francois FF302

**Chop Truncate (chop)** files down to size, C program in C source code and executable. AM3

**Chord** Todor Fay's SoundScape module source code from his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**CIATimer** Two versions of ciatimer routines to provide precise timing for applications requiring a high-accuracy real-time clock. Includes source and a sample executable. By Karl Lehenbauer, based on the original version by Paul Higginbottom FF178

**cinclude** Text file cross-reference to C include files. AM12

**circle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Circles** A circles pattern generator, reminiscent of one of the early Amiga demos. Version 1.1, includes source in C. Author: Joel Swank FF304

**CirPlane** A circular plane generator for VideoScape 3D. Generates a clockwise circular polygon with the specified number of vertices. Used, for example, to cap a cylinder or to generate surface detail. Version 1.0, with source. By Thad Floryan FF101

**CITAS** Convert ILBM To Assembler Source. CITAS allows one to easily put graphics into his/her own programs. CITAS takes a standard IFF ILBM image file and converts it into either assembler or 'C' source code. Designed for blitter image control, all of the necessary labels are generated, along with color map information, mask generation, and other options. This is version 2.0, shareware, binary only. Author:

Max Bithead FF475

**claves** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Claz** Converts IFF picture files to POSTSCRIPT. Works with Amiga HAM pictures, as well as 'normal' pictures. Also includes scaling. Version 2.0, includes source. Author: Steve Ludtke FF87

**Claz2** Update of prog to convert IFF images to PostScript files for printing on laser printers. AM26

**Clean** A small program written in assembly code, to be used in conjunction with a cleaning disk, to clean your floppy drive heads. Version 1.0, includes source. Author: Dan Burris FF297

**clean** Executable program, spins the disk for disk cleaners. Documentation included. AM12

**Cleanup** Removes strange characters from text files. C program. AM3

**Clear** Fills unused areas of memory with a specific byte pattern. FF105

**Cled** A simple command line editor which allows you to edit your commands before and after they are processed. Uses the arrow keys and simple control sequence keystrokes for cursor positioning and editing tasks. Update to version on FF74, this is version 1.4, binary only. Author: Pat Empleo FF81, FF74

**CLI-Colors** A simple little program to change the colors of the border around a CLI window. Includes source in assembly code. Author: Michael Sinz FF248

**CLI Utilities** This directory contains several subdirectories with small utilities, collected from various sources, that are only usable from the CLI. See the Readme file for further information. Some include source. Author: Various FF162

**CLICard** Text file of a reference card for AmigaDOS CLI. AM1

**ClickDOS** A 'directory utility' type program which is reasonably small, uses a single window on the Workbench screen (which can also be iconified), does not rely on other programs for most of its functions, and is very memory efficient. This is version 1.10, binary only. Author: Gary Scott Yates FF276

**ClickToFront** extends the user-interface so that a double-click into a window brings it to the front. Now as long as you can see any part of a window you can bring it to the front without having to hunt for the page gadgets. Version 1.1, includes source. Author: Bryce Nesbitt FF86

**ClickUpFront** ClickUpFront is another program, similar in function to the ClickToFront program from disk 86, that allows you to bring any window to the front simply by double-clicking in any part of it. Version 1.0, includes source. By Davide Cervone FF94

**CLIClock sClock, wClock** are window border clocks. Source code, executable program, and documentation. AM14

**CLICommands** Text guide to using the CLI. AM1

**CLIcon** Allows you to run cli programs from the workbench, similar in operation to IconExec, but more versatile. Author: Bryan Ford FF167

**CLIFxe** An Xicon style program which uses parm.library. It allows you to execute a script starting from WB and is completely CLI compatible, because it is a CLI. Can use a real script file or take commands in its own TOOLTYPES. Includes source in C. Version 1.0. Author: Sylvain Rougier FF540

**CLImax** A command like NewCLI or NewShell except that it creates a borderless CLI or Shell window on a custom screen. Now you can use the whole display just like a non-windowing computer. Requires ConMan 1.3 or newer. Release three, vastly improved over the first release on disk 224. Includes source. Author: Paul Kienitz. FF429, FF224

**Clipboard** Clipboard device interface routines to provide a standard interface, such as Open, Close, Post, Read, Write, etc. Author: Andy Finkel FF56

**CLIPrint** An example of printing to the CLI from assembly code. Includes source (of course). by: Jeff Glatt FF237

**clst.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**CLIwindow** CLIwindow allows you to manipulate the dimensions of a CLI window. It can be moved, enlarged, or shrunk. This is version 1.00. Includes source in assembly. Author: Roger Fischlin FF437

**Cload** An AmigaBASIC Program to convert Compuserve hex files to binary. Source code and documentation included. AM8

**Clock** Another clock program, comes in several flavors depending upon features desired, which include using alternate fonts, using alternate colors, setting the time, etc. Binary only. Author: Mark Waggoner FF59

**Clock2** Two programs to put clocks on the WB screen. The executables are small (2Kb) and take little processor time (1.5%) to run. Version 1.4. Both programs require ARP. Source in C is included. Author: Stuart Mitchell FF416

**Clock** Updated version of the clock program released on

FF15. Adds seconds display, free memory display, and faster updates. Author: Mike Meyer FF36, FF15

**Clock V1.00** Simple clock, configurable with config. FF168 & 169

**ClockDJ** A utility which combines a clock, mouse accelerator, screen blanker, window manipulator, function keys, and macros into a single program, written in assembly language for maximum efficiency. Includes an ARexx port. Version 5.02, an update to version 4.07 on disk 293. Binary only. Author: David Jenkins FF529, FF293

**CloseMe** Another ingenious perversion in the screen hack category. Don't miss this one...surely destined to become a classic! Includes source. Author: Charlie Gibbs FF167

**CloseWB** Simple program for use with MWB (also on this disk) to close a current WorkBench screen, and let you open WorkBench on a custom screen. Author: Matt Dillon FF65

**Cloud** A program that generates and displays fractal surfaces that look remarkably like clouds. Based on ideas from the book 'Fractals' by Jens Feder. Binary only. Author: Mike Hall FF216

**CLS** Clear Screen Command made for the purposes of being SMALL, and thus not wasteful of memory when made memory resident, it consists of 96 bytes of memory on disk! Includes source in assembly. Author: Bill Nelson FF237

**cls** A screen clear and CLI arguments example in Assembly. Executable and source code. AM11

**Clue** Clue board game. Nice. Author: Greg Pryor FF45, AM8

**CM** A celestial mechanics simulator with an Intuition interface. You construct a layout of celestial bodies and specify various parameters for the bodies and the simulation. CM then animates the bodies according to the laws of gravitational attraction. Setups may be saved to disk to later reenact interesting scenarios. Version 1.0, includes source. Author: W. John Guineau FF280

**CManual** Parts 1 and 2 of a complete C manual for the Amiga which describes how to open and work with Screens, Windows, Graphics, Gadgets, Requesters, Alerts, Menus, IDCMP, Sprites, VSprites, AmigaDOS, Low Level Graphics Routines, Hints and Tips, etc. The manual also explains how to use your C Compiler and gives you important information about how the Amiga works and how your programs should be designed. The manual consists of 15 chapters together with more than 100 fully executable examples with source code. When unpacked, the manual and examples nearly fill up four standard Amiga floppies. This is version 2.0, an update to version 1.0 on disk 337. Because of its size, it is distributed on two library disks, parts 1 and 2 on disk 456 and parts 3 and 4 on disk 457. Author: Anders Bjerin FF456, FF337

**CManual** Parts 3 and 4 of a complete C manual for the Amiga which describes how to open and work with Screens, Windows, Graphics, Gadgets, Requesters, Alerts, Menus, IDCMP, Sprites, VSprites, AmigaDOS, Low Level Graphics Routines, Hints and Tips, etc. The manual also explains how to use your C Compiler and gives you important information about how the Amiga works and how your programs should be designed. The manual consists of 15 chapters together with more than 100 fully executable examples with source code. When unpacked, the manual and examples nearly fill up four standard Amiga floppies. This is version 2.0, an update to version 1.0 on disk 337. Because of its size, it is distributed on two library disks, parts 1 and 2 on disk 456 and parts 3 and 4 on disk 457. Author: Anders Bjerin FF457, FF337

**Cmd** Cmd redirects the serial device or parallel device output to a file. Useful for capturing print jobs for debugging or 'offline' printing. Version 4, includes source. Author: Carolyn Scheppner FF95, FF86, FF79

**CMP V1.00** Utility to compare two files FF168 & 169

**CNewsBin** This is part 1 of a C News distribution for the Amiga. This part includes all the binary and text files necessary to set up and run C News. Part 2 is available on disk 473 and contains the source. C News uses UUCP, such as Matt Dillons implementation (see disks 479 and 480) or that included with this software's previous version (disk 319). This package has been reworked and now includes a newsreader, AmigaRN (Shareware). All major (and a few minor) features of Unix C News are implemented. The Author refers to this as release 15-Dec-90, an update to the original version on disks 318 and 319. Author: Various, Amiga port by Frank Edwards FF472, FF318&FF319

**CNewsSrc** This is part 2 of a C News distribution for the Amiga. This part includes all the source for C News. Part 1 is available on disk 472 and includes all the binary and text files necessary to set up and run C



# Freely Redistributable Software

**News on the Amiga.** CNews uses UUCP, such as Matt Dillons implementation (see disks 479 and 480) or that included with this software's previous version (disk 319). This package has been reworked and now includes a newsreader, AmigaRN (Sharware). All major (and a few minor) features of Unix C News are implemented. The Author refers to this as release 15-Dec-90, an update to the original version on disks 318 and 319. Author: Various, Amiga port by Frank Edwards FF473, FF319

**envapldhm** Executable program that converts Apple ][ low, medium and high res pictures to IFF. With documentation AM12

**CodeDemo** Modula-2 program converts assembler object files to inline CODE statements and a screen scrolling example AM24

**ColorArt** Art drawing program in AmigaBASIC. AM8

**ColorCatch** A utility that lets you grab colors from a screen and save them as an executable file. This is version 2.0, an update to version 1.0 on disk 396. Includes source in assembler. Author: Preben Nielsen FF543, FF396

**colorcircles** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**colorful** Shows off use of hold-and-modify mode. Posted to usenet by Robert Pariseau. FF1

**ColorReq** A color palette library callable from any program. Used to adjust the colors of any screen. Automatically adjusts to screen size, number of colors. Has many features including SPREAD, COPY, UNDO, RGB, HSV, as well as customizable gadgets. Binary only. Author: Jeff Glat and Jim Fiore FF257

**ColorReq** Describes the update to the color.library and has an example program, with source, that demonstrates its use. Author: Dissidents Software FF348

**ColorSamples** A few executable color samples made by ColorCatch from disk 396. Contains the 'old' colors from kickstart 1.3 and the 'new' colors from kickstart 2.0. Very useful because some programs/icons look awful when displayed in colors other than the ones they were created for. Author: Preben Nielsen FF483

**ColorTools** Three tools that manipulate the colors of your screen. Binary only. Author: Dieter Bruns FF323

**Colour** A program to manipulate the colors of specific named screens, saving their current color sets to data files, loading new color sets from data files, or interactively changing the colors. Includes source. Author: John Russell FF126

**Colourscope:** A shareware program that shows different graphic designs. Author: Russell Wallace AC5

**ColumnSet** A text filter program that takes as input a file with one word per line and produces a file with these words laid out in the same order in even columns, as many as will fit across the output screen or page with at least one space between columns. Includes source in Modula-2. Author: Kent Paul Dolan FF270

**Comal** Demo of AmigaCOMAL (missing only SAVE), an incremental p-code compiler from Denmark. COMAL is a language with the design goal of combining the modern structured approach of Pascal with the ease of use and interactivity of BASIC. There are versions of COMAL for IBM, VAX, CP/M, C-64, Amiga and various European operating systems. Includes a complete turtle graphics package. Perfect for education yet powerful enough for applications programming. V2.0, binary only. By Svend Dagaard Pedersen Freddy Dan Dalgas Kristiansen FF296

**COMAL.h** Make C look like COMAL header file. In C source code, and documentation. AM19

**Comm** Source release for comm version 1.34. Last release on FF71 was binary only. FF75, FF71, FF67, FF48, AM17

**Commands** Shorter guide, in text, to AmigaDOS CLI commands. AM1

**Commodities** Commodities Exchange, an Amiga exec library which can be opened and used by application programs to gain access to input in a very flexible way. This is a 'minimal, binary only' copy. Source may be available on a future disk. Version 0.4. Author: Jim Mackraz FF87

**Commodore IFF** This is a copy of the official November 1988 Commodore IFF disk. All the files in the 'documents' directory are in zoo file 'documents.zoo' FF185

**Compactor, Decoder** Steve Michel AmigaBASIC tools. In C source code and documentation. AM20

**CompDisk** A disk compression/disk compression package which was written to be fast and easy to use. Includes an Arp and an Intuition interface. Includes source in 'C'. Author: Olaf Barthel FF353

**Compiler** An optimizing C compiler for the 68000. Has successfully compiled itself on a 68000 based UNIX system V machine, but has yet to be fully ported to the Amiga. It will currently produce assembly output for simple C routines on the Amiga, but needs lots of work to be really useful as anything other than a learning tool. By Matthew Brandt FF53

**Compress** Compress reduces the size of the named files using adaptive Lempel-Ziv coding. The amount of compression obtained depends on the size of the input, the number of bits per code, and the distribution of common substrings. Typically, text such as source code or English is reduced by 50-60%. Compression is generally much better than that achieved by Huffman coding (as used in 'pack') or adaptive Huffman coding (as used in 'compact'), and takes less time to compute. By Thomas Spencer, with improvements by others FF51, FF6

**ComputerBlocks** An IFF image of multicolored computer composed shapes as blocks. AM7

**CONFIG V1.00** Used to configure friendly programs like DME for the initial window placement (configures the executable) FF168 & 169

**Conman** Extremely useful replacement for the standard console handler, provides line editing and command line histories. Completely transparent to any application program that uses CON: windows. This program is shareware, and well worth a donation to the author. This is version 1.3e, an update to version 1.3 on disk 165. Changes include updates for WorkBench 2.0 console refresh and cut/paste, and improvements to window resizing. Binary only. Author: William Hawes FF426, FF165, FF133, FF100, FF90, FF81, FF69

**Connex** A "connect-4" type game. This is version 4.0, an update to version 3.8 on disk 493. Shareware, binary only. Author: Adrian Millett FF511, FF493

**ConPackets** Demos the use of DOS packets, finding the Window pointer and ConUnit pointer of the CLI window, toggling Raw mode, getting cursor position and limits from the ConUnit, and ESC-sequence cursor positioning. By Carolyn Scheppner FF56

**Conquest** Lore of Conquest is a war game similar in concept to the board game Risk. You are the lord of an entire world, destined to rule the galaxy. Some worlds are virgin fronts, ready for you to colonize. Some worlds have natives who do not wish to accept your rule, these you must conquer for they will yield more valuable resources. As you claim the galaxy you will find, you are not the only one extending your dominion. This is a two-player game, so be prepared to defend yourself and take what is yours! Version 1.6, an update to version 1.5 on disk 523. Includes enhanced galaxy map, instant replay option, timed turns, symmetrical universe, and more. Binary only, shareware. Author: Michael Bryant FF533, FF523, FF459, FF432

**Conquest** You control an interstellar empire, decide which star systems to explore, which planets to colonize, etc. The computer will also be building its own empire and competing with you for resources. The one with the greatest population at the end wins. First distributed in executable form only on FF10. This distribution includes source. Author: Unknown, reported to Amiga by Rob Shimo Second release of a csh-like alternative to the CLI, first released on FF14. Has alias, built in functions like 'dir' for speed, history, named variables, command re-execution with substitution, etc. Author: Matt Dillon FF24, FF10

**cons** Console device demo program with supporting macro routines. Author: Rob Peck FF5

**Console** Console is a new set of routines to get around some of the problems with the standard system routines, and includes some simple graphics routines. With source. By Jim Cooper FF69

**console.bmap** one of the necessary links between AmigaBASIC and the system libraries.diskfont.bmap AM8

**consoleI.O.c** Console I/O example. C program. AM4

**consoleI.O.txt** Copy of the RKM console I/O chapter. C program. AM4

**ConsoleWindow** Example program for finding the intuition pointer to an AmigaDOS CON: or RAW: window, so you can do WindowToFront, graphics, and other interesting things. (Requires AmigaDOS 1.2) Author: Andy Finkel and Robert Burns FF35

**Contact** Demo version of a 'pop-up' program for managing personal contacts. Allows you to keep a name and address list along with phone numbers and comments. Can print mailing labels with a couple of mouse clicks (supports PostScript printers). Names and address can be 'clipped' into other programs such as word processors, and Contact can even dial your modem for you. Version 1.0, binary only. Author: Craig Fisher, CMF Software FF384

**Control** Program which provides finer control over the printer device. When it sees a DUMPPORT, it fires up a requestor and lets you play with the values being passed in the IO Request block. Includes source. Author: Andy Finkel FF74

**Conundrum:** An AmigaBASIC program that is a puzzle-like game, similar to the game Simon. Author: Dave Senger. AC8

**Convergence:** Part five of the Fractal series. Author:

Paul Castonguay AC10

**Convert** Converts 39 different image formats into CBM standard 24 bit IFF files for display on devices such as Black Belt Systems HAM-E product. Version 1.6, binary only. Author: Pete Patterson and Ben Williams FF451

**Convert** Converts an object file to a C source which can be inserted with '#include' in your own programs. Version 1.0, includes source. Author: Frank Enderle FF533

**ConvertDoodle** Converts Commodore 64 Doodle files into Amiga format. AM11

**ConvertKoala** Converts Commodore 64 Koala files into Amiga format. AM11

**ConvertPrintShop** Converts Commodore 64 PrintShop files into Amiga format. AM11

**ConvMacF** Converts MacIntosh type 1 Adobe fonts to a format usable on the Amiga. Reads a compressed MacIntosh format Adobe font file and unpacks it to an ASCII text file, which permits sending the font to a printer as a PostScript program. Includes source. Author: Unknown, Amiga port by Joe Pearce FF455

**Cookie** Fortune cookie program. Includes source. Author: Richard Stevens FF65

**CopDis** A copper list disassembler that can be run from the CLI or linked with and run directly from an application program. This is version 0.0a and includes source. By Karl Lehenbauer FF261

**Copper** A copper list disassembler. Dumps the contents of a hardware copper instruction list. By Scott Evernden Inst FF43

**CopperBars** A simple but pretty demo of some rolling copper bars. Author: Jonathan Potter FF412

**CopperMaster** This program allows you to easily create your own custom copper lists for the Workbench screen. Author: Jonathan Potter FF412

**Copy** A replacement for the AmigaDOS copy program that is upwardly compatible, plus includes some new features like date preservation. V1.0, includes source. By Jeff Lydiatt FF75, FF13

**Cos** A 'Wheel Of Fortune' style game in AmigaBASIC. Author: Steve Michel FF51

**Cosmic** An interstellar multiplayer game of War and Peace. From the looks of the documentation file, it appears fairly extensive! Version 1.01, includes source. Author: Carl Edman FF178

**Cosmo** An 'asteroids' clone. Suggested \$6 donation. Author: John Harris FF40

**Cosmoroids** A version of 'asteroids' for the Amiga. AM15

**Coyote** Another cute animation from Eric Schwartz. This one is Coyote 2: The Road Test, Eric's tribute to Chuck Jones. Has the typical Roadrunner and Coyote mayhem. Author: Eric Schwartz FF417

**Coyote** Gene's entry to the 1988 Badge Killer Demo contest. A very cute (and large) animation. Requires about 1900 blocks of disk space, so it is in 'arc format'. By Gene Brawn FF207

**cp** A UNIX-like copy command. Executable program. AM11

**CPalette** A palette adjusting program that can be brought up on just about any screen, including HAM and EHB. Version 1.1, includes source in assembly. Author: Craig Lever FF498

**CPlot** Graphs linear functions in two dimensions, similar to a Mandelbrot plot. You start with a linear function like 10sin(x\*\*2+y\*\*2) and CPlot treats each point on the screen as an X-Y coordinate, color-scaling it according to its magnitude for a preset range of inputs. Includes some very nice sample creations. Version 1.0, binary only. Author: Terry Gintz FF392

**CPM** A program to compute mandelbrot's via the Continous Potential Method, as described in the book The Science of Fractal Images by H. O. Pietgen and D. Saupe. It is used to make 3-dimensional pictures of the mandelbrot set. This is a batch mode type program so several images can be generated, one after the other, without any human interaction. Includes source. Author: Lars Clausen FF303

**CPM** Another CP/M emulator independently authored from the version that appeared on FF 157. Emulates a CPM computer with a Z80 processor connected to an ADM3A terminal. Assembly source included. Author: Ulf Nordquist FF165

**Cpp** A copy of the Decus cpp, ported to the Amiga. This cpp is more powerful and complete than either of the built in cpp's in Manx or Lattice C. A modified version of the UNIX like cc frontend, for Manx C, that knows about the cpp is included. It has had some ANSI features added. Includes source. cpp by Martin Minow, cc by Fred Fish; Olaf Seibert FF338, FF28

**cpri** cpri shows and adjusts priority of CLI processes in C source code and executable. AM11

**CPU** Two programs, one in C and one in assembler, which check for CPU type. This version can detect 68000, 68010, 68020, and 68881 processors. Includes source.

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# Freely Redistributable Software

Author: Ethan Dicks, based on WhatCPU by Dave Haynie FF329

**CpuBlit** CpuBlit replaces the system BltBitMap routine with a version that uses your 68020/68030 when it is worthwhile to do so. This results in text scrolling twice as fast as usual, and in addition, the color flicker effect normally present when scrolling multicolor text is removed. Version 1.0, includes source. Author: Eddy Carroll FF528

**CPUStandoff** This cute 'computer wars' animation is Bob's entry to the 1989 BADGE Killer Demo Contest. Lots of visual jokes in this one. Binary only. Author: Bob Janousek FF271

**CR2LF** Converts carriage returns to line feeds in Amiga files. C program. AM3

**CrazyEight** Card game based on the children's traditional favorite. AM3

**Crc** Two programs that are very useful for generating 16-bit CRC listings of the contents of disks, and verifying that a given disk's files still compute to the same CRC's as listed. Version 1.0, binary only. Author: Don Kindred FF133

**CrcLists** Complete CRC check files for disks 401-520 using the brick program. These were made directly from my master disks. Along with the crc lists from disk 401, these lists will allow you to check all of the disks in the library to make sure they are correct and complete. Author: Fred Fish FF525, FF474, FF401, FF293, FF233, FF173, FF146, FF133

**creaport.c** Create and delete ports. C program. AM4

**creatd.c** Create standard I/O requests. C program. AM4

**creatask.c** Creating task examples. C program. AM4

**Creative And Time-Saving Techniques:** Enhancing and fine-tuning images through definition. Part of the Fractal series. Author: Paul Castonguay. AC13

**Cref** A C cross reference program. Prints out your code with line-numbers and complete key-word cross-referencing. Update from version on FF 103 which had a serious bug. Includes source. Author: Mike Edmonds; Amiga port by Joel Swank FF166, FF103

**Cribbage** Another game in ABASIC by the author of Monopoly. Author: David Addison FF28

**crif** adds or removes carriage returns from files. In C source code and executable. Documentation included. AM14

**CRobots** A game based on computer programming. Unlike arcade type games which require human input controlling some object, all strategy in CRobots is condensed into a C language program that you design and write, to control a robot whose mission is to seek out, track, and destroy other robots, each running different programs. All robots are equally equipped, and up to four may compete at once. This is version 2.3w. Binary only, source available from author. Author: Tom Poindexter, Amiga by David Wright FF345, FF331, FF311

**Cross** A program that creates crossword puzzles. Has a message data file to allow easy translation into almost any human language, with English and German currently supported. This is version 4.1, an update to version 3.3 on disk 464. Major new features are several new printer drivers including "generic" and "LaTeX", and many minor improvements. Includes source in M2Amiga Modula-2. Author: Jurgen Weinelt FF537, FF464

**CrossDOS** A 'tryware' version of a mountable MS-DOS file system for the Amiga. This is a software product that allows you to read and write MS-DOS/PC-DOS and Atari ST formatted disks (Version 2.0 or higher) directly from AmigaDOS. This tryware version is a 'readonly' version, which does not allow any writes to the disk. A fully functional version is available for a very reasonable price from CONSULTRON. This is version 4.00b, an update to version 3.05b on disk 252. Binary only. Author: CONSULTRON, Leonard Poma FF382, FF252, FF240

**Crunch** Removes comments and white space from C files, in source code and as an executable, a C program. AM8

**Crunchy Frog II:** Adding windows and other odds and ends. Author: Jim Fiore AC10

**Cryptor** A program that encrypts and decrypts data (files). It uses a mathematical algorithm with password key protection. Has both English and German versions and documentation. This is version 1.0, binary only. Author: Thomas Schosow FF480

**Csh** Replacement for the Amiga shell, similar to UN\*X sh. Main features include over 100 built in commands, 70 functions, new system variables, file name completion, freely programmable command line editing, file classes, auto cd, lazy cd, intuition menus for the shell window, automatic RX-ing, local variables, \$( ), statement blocks, high speed, plus much more. This is version 5.15, an update to version 4.02 on disk 458. Includes source. Author: U. Dominik Mueller, C. Borreo, S. Drew, M. Dillon FF512, FF458, FF331, FF309, FF223, FF199, FF145,

FF107, FF85, FF55, FF48, FF41, FF36

**CSquared** Implementation of Circle Squared algorithm from Sept '86 Scientific American 'Computer Recreations' column. Produces wildly colorful but mathematically precise patterns. By Bill DuPree FF38

**Ct** An Amiga program to display images from a CT scanner, along with several new interesting sample images of scans of real people. The display software, though it has a primitive user interface, is quite powerful, including functions like convolutions, averaging, laplacians, unsharp masking, edge detection, gradients, etc. This is version 2.2, an update to the version on disk 137. Binary only. Additional image disks available from author. Author: Jonathan Harman FF235, FF137

**CTags** Create a tags file from the specified C, Pascal, Fortran, YACC, lex, or lisp sources. A tags file can be used by a cooperating editor to quickly locate specified objects in a program's source code. Berkeley V4.7, with source. By Ken Arnold, Jim Kleckner, and Bill Joy Ported to Amiga by G. R. (Fred) Walter FF197

**CType** Another text file reader, but this one is small, reasonably fast, and includes bi-directional scrolling, search, go to a given percentage, and printing capabilities. Version 1.0, includes source in assembly. Author: Bill Nelson. FF237

**cube1** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Cucug** This animation of the Champaign-Urbana Commodore Users Group logo was submitted to the 1988 Badge Killer Demo Contest by Ed Serbe. FF213

**Curses** A link library containing many of the terminal independent standard 'curses' functions. Designed primarily for those interested in porting UNIX screen based programs to the Amiga. Version 1.22, an update to version 1.10 on disk 391. Includes source and examples. Author: Simon John Raybould FF439, FF391

**Cursor** A 3-pass BASIC Compiler for BASIC programs written in AmigaBASIC, does not yet support all of the BASIC commands but is able to compile itself. This is version 1.0, includes source. Author: Jurgen Forster FF347

**CustReq** A glorified ASK command for your startup-sequence. It generates a requester with the specified text, positive and negative gadgets (either of which can be the default), and an optional timeout value. This is version 4, an update to the version on disk 242, binary only. Author: Jonathan Potter FF412, FF242

**CutAndPaste** Public domain implementations of the UNIX cut and paste commands. Includes source Author: John Weald FF97

**cutpaste** One of the many basic programs from FF13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**CWDemo** Demo version of a pop-up utility to control the color register assignments of intuition custom screens. V3.2, an update to FF238. Binary only. Author: Kimbersoft FF283, FF238

**CWToy** A program like Say or SpeechToy that allows your Amiga to communicate in International Morse Code. A lot of nice features for code practice or with a simple hardware interface even useful as a keyboard program for your transmitter. Version 1.0, includes source in C. Author: Rob Frohne FF517

**Cycles** A simple but enjoyable game apparently inspired by the cycle game in the movie 'Tron'. Version 1.0, binary only. Author: John G. Gilmore FF78, AM22

**CyclicSpace** A Griffeathian cyclic space generator program. Implements a cellular automaton as described in the August 89 issue of Scientific American. V 1.42, includes source in assembly code. Author: A. J. Brouwer FF255

**Cycloids** An updated version of the hypocycloids (electronic spirograph) program first released on FF27. By Terry Gintz FF49

**CygCC:** An ARexx programming tutorial. Author: Duncan Thomson. AC11

**CygnusEdDemo** Demo version of CygnusEd, an editor from CygnusSoft Software. CygnusEd supports simultaneous editing of multiple files, multiple views of the same file, very fast display, margins, word-wrap, status-lines, insert/overwrite mode, online help, soft scroll borders, screen overscan, adjustable tab size, macros, text formatting options, block/line/word cut/copy, and more. Also includes demo 3.0 version of MandFXP Binary only. Author: CygnusSoft Software FF95

**Cyrillic** Cyrillic (Russian) 12-point font. Author: Elaine and Timm Martin FF427

**CyroUtils** Four handy animation utilities from Cryogenic Software. Includes an animation creation tool that allows you to combine selected pictures into a standard animation, an animation information tool that is used to extract certain information from a given animation, an animation combining tool that

allows you to join two animations into a larger one, and an animation splitting tool that allows you to split one animation into two smaller ones. Binary only. Author: Cryogenic Software FF428

**CZEd** A complete midi package for use with all Casio CZ synthesizers. Contains a full fledged sound editor, a split simulator for CZ-101/1000/230S, a bank loader and a memory dump for CZ-1. This former commercial package is now shareware. Binary only. Author: Oliver Wagner FF323

**D2D-Demo** Demo version of Disk-2-Disk from Central Coast Software (submitted by George Chamberlin). Binary only. Author: Central Coast Software FF82

**D110EdDemo** Demo version of an editor for Roland D-110. Bulk dump is available. Edited parameters are not submitted to Roland D-110. Author: Dieter Bruns FF515

**dadc** A digital computer impersonating an analog clock impersonating a digital clock. Author: Perry S. Kivolowitz FF6

**Daisy** Example of using the translator and narrator devices to make the Amiga talk. It is written in C. AM24

**Dan Kary's** C structure index program. In C source code and executable. Documentation included. AM14

**Dance** These two programs, 'dancing polygons', are John's entry to the Badge Killer Demo Contest. They are variations of one another, but demonstrate the range of colors available on the Amiga. Includes source. Author: John Olsen FF126

**Dark** A small graphics and animation demo. Includes source. Author: Phil Robertson FF162

**dart** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**DASM** A multipass, symbolic, macro assembler for multiple target machines, including 6502, 68705, 6803, and 6811. Supports conditional assembly, addressing mode overrides, arbitrary number of named segments, pseudo-ops for repeat loops, data generation, etc. Version 2.12, includes source. Author: Matt Dillon FF287, FF169, FF167

**DataEasy** An easy-to-use data base program which includes a phone dialer, speech output, a simple screen editor for making and modifying the database definitions, a screen print function, form letter printing, sorting, searching, and two small sample databases. Version 1.3, an update to version 1.1 on disk 417. Binary only, source available from author. Author: J. Dale Holt FF526, FF417

**DataPlot** A program that plots data and algebraic functions in 2D. The user simply clicks on an option screen to select various options, such as type of marker, log or linear axis, auto vs manual scaling, grid lines. The macro language makes similar, repetitive plots easy to do. Data points can be transformed by an algebraic function prior to plotting. A macro can be automatically executed upon start-up. Plots in any resolution from 320x200 to 640x400. Plots can be saved as macro commands and IFF ILBM files. Prints directly to Epson compatible printers, or to any Preferences supported graphics printer via the PLT: device. This is version 2.1, a significant upgrade to version 1.0 on disk 121. Shareware, binary only. Author: Dale Holt FF532, FF121

**DataToObj** A utility to convert raw data files (sprites, image data, text, etc.) directly into object code which can then be linked to the main program without the need to go through the compiling process. Includes source. Author: Werner Gunther FF172

**date** One of the basic progs. on FF13 Grab Bag. It is not certain which of the two early basics this program used. FF13

**DateRequester** A module that provides intuition based support for soliciting a date value from the user. It supports both point-and-click selection of date values and direct entry of the individual components. It also includes a standalone ARexx driven date requester program which can be called from ARexx macro files. Includes source. Author: Mark Rinfret FF276

**Day2Day** A small program which can calculate the number of days between two dates. Very useful, if for example, you want to know how many days you have been alive. This is version 1.0. Includes source in assembler. Author: Preben Nielsen FF543

**Dazzle** A Graphics demonstration which produces patterns based on mouse movements. Executable program. AM9, FF15

**Dbuf.gels** Sample program that demonstrates the animation routines for Bobs and VSprites. Uses double buffering to smooth the display motion Author: David Lucas FF33

**Dbug** Machine independent macro based C debugging package. Provides function trace, selective printing of internal state information, and more. This is an update to the version released on disk 102, and now includes a

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machine independent stack use accounting mechanism. Includes source. Author: Fred Fish; profiling support by Binayak Banerjee FF232, FF102, FF41, FF2

**DC** A handy program for people who use an Amiga 1020 5 1/4 inch drive as an AmigaDOS floppy. A Workbench program that sends a DiskChange signal to the operating system: Instead of typing "diskchange df2:" over and over again, just click on the icon. C source included. AM26

**DC10** An AmigaBASIC DC-10 instrument flight simulator. Appears to be quite in-depth with flight-planning and take-off options along with an extensive documentation file. Requires rebuilding on a separate disk and was successfully done so by following the author's instructions in the ReadMe\_First file. Author: Jan Arkesteijn FF150

**DCDemo** A demo version of DiskCat 2.3, a disk catalog program. Demo is limited to cataloging 100 files at a time. Binary only. Author: Ed Alford, MicroAce Software FF98

**DClock** A Dumb Clock utility that displays the date and time in the Workbench screen title bar. Includes an ARexx interface. This is version 1.29, an update to version 1.27 on disk 388. Includes source. Author: Olaf Barthel FF398, FF388, FF325, FF298

**DCmlf** A utility that monitors a CLI's console IO and copies it to a user specified file. The console IO is unaffected by this monitoring. Version 1.00, includes source. Author: Matthew Dillon FF408

**DeafLab** A program which translates text into hand signs for the deaf. Can be used to directly communicate with a deaf person that has trouble reading text, or used as a teaching tool for learning handsigning. Version 1.7, shareware, binary only. Author: Gary Creighton FF494

**Debug** A symbolic debugger for the Amiga. Features include symbolic disassembly, simple expression parsing, multiple breakpoints, memory fill, memory dump, single step in trace mode, skip over subroutines, etc. V2.10, binary only. Author: Jim Thibodeau and Larry LaPlume FF251

**DeciGEL** An assembler program for stopping 68010 errors. In C source code and executable program. With documentation AM9

**Decigel** A software fix for programs that use instructions which are privileged on the 68010/020/030. Update to the version on disk 18. Includes source in assembly. Author: Bryce Nesbitt FF454

**DeckBrowser** A freely redistributable player for unbound CanDo decks. Version 1.5, binary only. Author: INOVATronics FF530

**decvnt** Opposite of CONVERT for cross developers. C program. AM1

**DeepSky** A database containing information on 10,368 non-stellar objects, 600 color contrasting easily resolved double stars, 70 stars for setting circles, and misc white dwarfs, red stars, binaries, etc. The database is distributed in zoo format, yielding 1.2 Mb after extraction. V 5.0. By Saguro Astronomy Club FF219

**Defdisk** CLI utility to re-assign a new Workbench disk. In C source code and executable. Documentation included. AM18

**Degas.pic** A Degas dancer IFF screen. AM6

**Degas2.pic** A Degas dancer. IFF screen. AM6

**Degas3.pic** A Degas dancer. AM6

**Degas4.pic** A Degas dancer. AM6

**dehex** Simple little program to convert hex format file into a binary file. Reads lines of hex characters on stdin and writes 8 bit dehex'd bytes to stdout. Author: Fred Fish FF10

**Deksid** A disk and file hexadecimal editor. Useful for editing binary files. Version 1.10, shareware, binary only. Author: Christian Warren, Marc Dionne FF441

**DeluxeBeep** A little program that uses the exec SetFunction call to play a sound sample of your choice whenever a program calls the Intuition DisplayBeep routine. Includes source and instructions on how to install your own sounds. Author: Jan van den Baard FF435

**DeluxeChanger** Converts binary files to assembler, basic, or C source code data initialization statements. It is useful to add graphics or sound samples to programs as initialized data. Version 1.0, includes source in assembler. Author: Andreas Ropke FF439

**DeluxeDraw** The drawing program from AC v1.3 in AmigaBASIC. AM8

**DEM** A program to compute mandelbrot via the Distance Estimator Method, as described in the book The Science of Fractal Images by H. O. Pietgen and D. Saupe. It is used to make high resolution black-and-white images. This is a batch mode type program so several images can be generated, one after the other, without any human interaction. Includes source. Author: Lars Clausen FF303

**Demo** Multiwindow demo. ABasiC program. AM1

**DEMOfition** Another neat little display hack. In the spirit

of these things, ya gotta run it to find out what it does. Includes source. Author: Kriton Kyrimis FF89

**Demon** This program implements the Demons cellular automaton as described in the August, 1989, issue of Scientific American. Using extremely simple rules it exhibits rather complex behaviour. Includes source. Author: Lars Clausen FF303

**DevKit** A collection of C and ARexx language programs to facilitate the software development process. With DevKit, you can launch your compiler from within your editor, have the cursor positioned on your errors, look up the autodoc page for any Amiga function at a single keystroke, find a system structure within the include files, or find any function in the code you are writing. Version 1.2, includes source. Author: Peter Cherna FF297

**DevPatch** A program that installs a patch for OpenWindow to check the NewWindow structure. If the title matches a specific string, the height will be forced to 45 pixels. This helps to reduce chip memory usage for programs that open overly large windows and then seldom use them. Includes source. Author: Jorrit Tyberghein, Nico Francois, P. Marivoet FF332

**DevRen** A DEVice RENamer, originally designed to allow the renaming of an external drive on an A2000 (always recognized as DF2:) to be DF1: However, works with any mounted device such as RAD: RAM: RAW: CON: etc, as long as the original and renamed version have the same character length. Version 1.5, includes source. Author: Stefan Rosewig FF378

**Devstat** Assembly code example of locating and listing information about all mounted devices. Includes source. Author: Fabrice Lienhardt FF292

**dex** Program to extract documentation in a human readable format inside source files, and produce nroff style output for manuals and other such external documents. First ever public release. Author: Fred Fish FF14

**DezHexBin** An intuition based programmers tool to convert integers between decimal, hexadecimal, and binary. Very small. Version 1.1, includes source in assembly code. Author: Michael Djauidan FF321

**DFC** Disk Format and Copy program. A nice, general purpose, disk formatter and copier. This is version 5, an update to the version on disk 131. Includes source. Author: Tom Rokicki and Sebastiano Vigna FF447

**Dfc** Copies disks like Maurader, but multitasks. Replaces both diskcopy and format but is smaller than either. It even has a nice little Intuition interface. Includes source. By Tomas Rokicki FF131

**Dfrags** Disk Fragmentation reporting utility. Displays disk fragmentation for both floppy and hard disk devices. Does not attempt to change any data, just gives a report. Version 2.02, shareware, binary only. Author: Custom Services FF461

**DFrame** This utility helps you create animated bobs. It installs itself in DPaint II, after which you can draw each bob in DPaint II within its own frame and check the animation by calling DFrame from within DPaint. V1.02, binary only. By Jan Buitenhuis FF221

**Dg210** Data General D-210 Terminal emulator. Suggested \$12 donation Author: Steve Lenz FF40

**DGCS** Deluxe Grocery Construction Set, simple Intuition-based prog for assembling and printing a grocery list. AM24

**dhystone** Dhystone benchmark program. Author: Reinhold Weicker (Ada version) Rick Richardson (C version) FF1

**DICE** Dillon's Integrated C Environment. A C frontend, pre-processor, C compiler, assembler, linker, and support libraries. Features include ANSI compatibility, many code optimizations, and autoint routines (user routines called during startup before main is called). This is version 2.06.21, an update to version 2.06.15 on disk 466. Includes bug fixes and experimental dynamic object module loading support. Shareware, binary only. Author: Matthew Dillon FF491, FF466, FF443, FF359

**Dick2RAM** 2 programs to move the Scribble! spelling dictionary to and from the RAM disk. AM26

**DIED** A full-screen ANSI editor including an animation utility. Provides PAL and NTSC compatibility. Many useful features such as horizontal and vertical block cut/pasting operations, line/block/screen centering, save defaults and more. Version 2.4, binary only. Author: P-E Raue FF388

**DietAid** Diet planning aid to allow the user to compile lists of ingredients (recipes) and automatically compute calorie totals, etc. Update FF36. V3.1, binary only. by Terry Gintz FF179, FF36

**Diff** A simple version of diff. Update to version on FF75, includes source. Author: Erik Baalbergen FF87, FF75

**Diff** GNU diff and diff3 utilities, version 1.10. This version provides all the features of BSD's diff plus options to diff non-ASCII files, to ignore changes that just insert or delete blank lines, to specify the amount of context for context diffs, plus more. This version of GNU diff is part

of the RCS package found on FF282. Includes source. By: Mike Haertel, David Hayes, Richard Stallman & Len Tower. Amiga port by Raymond Brand & Rick Schaeffer. FF281, FF231, FF138, FF107, AM11

**DiffDir** Compares the contents of two directories, generating a list of differences to the standard output. Detects files or directories present in one hierarchy but not the other, file attributes that are different (dates, flags, comments, etc), and differences in file size. Version 1.1, an update to FF188. Includes source. Author: Mark Rinfret FF281, FF188

**DiffSed** Dif produces a difference file which lists the line by line differences between any two text files. These differences can be fed to sed (a stream type editor), along with the original text file, to remotely reproduce the other (new) file. Binary only. Author: Chuck Forsberg, Amiga port by Rich Schaeffer FF51

**Digitized Sound:** Using the Audio device to play digitized sounds in Modula-2. Author: Len A. White AC3

**Diglib** An Amiga device independent graphics library for fortran applications. This is an enhanced and debugged version of a public domain library, the development of which was sponsored by the US Government. This library is required for part of the Matlab package, also included on this disk. This is an update to the version on disk 267. Includes source in FORTRAN. Author: Hal Brand, Craig Wuest, James Locker, Mike Broida FF499, FF267

**dimensions** Programs to demonstrate three and four dimensional graphics. Not quite sure how else to describe them! Author: Anselm Hook FF14

**Din** A library that allows you to share image and text objects between programs. The din.library is ideal if you want to write an editor and a DTP program that can share text, or a drawing program and a DTP program that can share a brush. Requires AmigaDOS 2.0. This is version 1.0, some source included. Author: Jorrit Tyberghein FF414

**Dio** A module which makes it very easy to use EXEC devices, such as the 'serial.device'. It's generic and can be used with any EXEC device. It allows you to easily open libraries, get multiple IO channels for a device, read, write, do asynchronous operations, etc. Includes source. Author: Matt Dillon FF73

**DirectoryOpus** A slightly disabled demonstration version of a powerful commercial directory utility. Very user friendly and configurable, with many features. Binary only. Author: Jonathan Potter FF412

**DirMaster** A very nicely done shareware disk cataloger, submitted by the author for inclusion in the library. This is version 1.1, an update to the version released on disk 108. Lots of neat new features and enhancements. Binary only. Author: Greg Peters FF130, FF89, FF108, AM26

**DirUtil** An enhanced version of the dirutil from FF35. Dirutil is a program to wander around a directory tree and perform various operations on files. Author: Chris Nicotra, enhancements by Johan Widen FF49, FF40, FF35, AM11

**DirUtil2** Another variant of dirutil. Author: Chris Nicotra, enhancements by Ed Alford FF35

**DirWork** A fast, small, simple, efficient, shareware DirUtility that gets directories off floppies in about half the normal time. Configurable options and buttons, as well as all the usual features. This is Version 1.31, an update to version 1.30 on disk 508. Shareware. Binary only. Author: Chris Hames FF511, FF508, FF406

**Dis** An AmigaDOS shareable library which implements a symbolic single-instruction disassembler for the MC68000 family and a program which uses the library to disassemble/dump AmigaDOS object files, making full use of symbolic and relocation information. With source code in Draco. By Chris Gray FF240, FF160, FF128

**Dis6502** A ported 6502 disassembler with support added for C64 binary files. Includes source. Author: Robert Bond, Amiga port by Udi Finkelstein FF170

**Disassem** A simple 68000 disassembler. Reads standard Amiga object files and disassembles the code sections. Data sections are dumped in hex. The actual disassembler routines are set up to be callable from a user program so instructions in memory can be disassembled dynamically. Author: Bill Rogers, Univ. of WAIKATO (New Zealand) FF27, AM3

**DisDF** Program to disable DF0-DF3 to stop that empty drive clicking by putting the trackdisk device tasks in a removed state. Can be run from CLI, startup script or WB. Command line options select drives and also remove the File System tasks to reduce CPU load a little more. Version 1.0, includes source. Author: Patrick F. Misteli FF531

**DisEditor** This is a demo of the dissidents shareware text editor. Version 1.1, binary only. By Dissidents Software FF348

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**DiskCat** cat catalogs disks, maintains, sorts, merges lists of disk files. AM15  
**diskfont.txt** Warning of disk font loading bug. C program. AM4  
**DiskFree** An small iconifiable intuition program that shows the amount of free space available on all mounted disk devices, both numerically and graphically. Version 1.0, shareware, binary only. Author: Dieter Kuntz FF324  
**DiskHandler** A sample implementation of a file system that reads and writes 1.2 format diskettes. Includes source. Author: Software Distillery FF236  
**diskio.c** Example of track read and write. C program. AM4  
**Diskless Compiler:** Setting up a compiler environment that doesn't need floppies. Author: Chuck Raudonis AC3  
**DiskLib** Two utilities for those people who like to split up PD disks into disks of different categories. Includes source. Author: Wilson Snyder FF154, AM19  
**DiskMan** Another 'disk browser and/or dirutil' type program. Version 1.0, binary only. Author: Greg Cunningham FF82  
**DiskMapper** Displays sector allocation of floppy disks. Author: Leo Schwab FF33  
**Diskperf** A disk benchmark program which runs on both Unix and the Amiga. This is an update to FF48, with bug fixes and more reliable measurements of the faster read and write speeds available under the new Fast File System. By Rick Spanbauer, enhancements by Joanne Dow FF187, FF48  
**DiskPrint** Prints disk labels (for 3.5" and 5.25" disks), primarily for FD library disks, with the ability to create, handle, load and save label library files so labels for most FD disks are available after a few mouseclicks. Features include different label sizes, library files, directory- read-in, direct disk contents read-in, label library functions and printing labels for a whole series of disks in one turn. Works fine with every printer connected to the parallel port. This is version 3.1.2, an update to version 2.7.2 on disk 461. Shareware, binary only. Author: Jan Geissler FF546, FF461, FF441, FF433, FF411  
**DiskSalv** A disk recovery program for all Amiga file system devices that use either the Amiga Standard File System or the Amiga Fast File System. DiskSalv creates a new filesystem structure on another device, with as much data salvaged from the original device as possible. This is version 1.42, an update to the version released on disk 212. Binary only. Author: Dave Haynie FF251, FF212, FF177, FF164, FF20, AM8  
**DiskSpeed** A disk speed testing program specifically designed to give the most accurate results of the true disk performance of the disk under test. Automatically updates and maintains an ASCII database of disk results for tested disks. This is version 3.1 with stress tests for CPU and DMA. Includes source in C. Author: Michael Sinz FF329, FF288, FF251  
**DiskTalk** A cute little program, like munchio on disk 137, which plays digitized sound samples when you insert or remove a floppy disk. Samples are saved as IFF sound files. Version 1.0, binary only. Author: Nico Francois FF302  
**DiskWipe** Latest from Software Distillery, removes files from directories or disk drives, much faster than "delete." AM25  
**DiskX** Nicely done Sector-based disk editor. Binary only Author: Steve Tibbett FF158, FF71  
**DiskZap** Program to 'edit' a disk, sector by sector. Version 1.1. Author: Paris Bingham Jr. FF50  
**Display** Graphics display program to display HAM images from a ray tracing program. Includes some really spectacular pictures Author: Dave Wecker FF39  
**DispMod** One of the series of ROBBS (Rexx Object Building Block System) modules by Larry Phillips. DispMod is a display module that only understands ARExx messages. It allows, under program control, the display of text and the acceptance of keyboard data. V0.11, With source. By Larry Phillips FF326  
**DisSecretary** This program can be used to file information in a 'file cabinet' type environment. It is well suited for jobs such as maintaining a disk catalog, or user group membership, etc. Included is a data file of the library catalog, disks 1 to 310. Version 'Wanda', binary only. By Dissidents Software FF348  
**DissiDemos** Demo of Midi Sample Wrench, which provides pro sample editing features for owners of musical samplers. Version 1.1, binary only. Author: Jeff Glatt FF307  
**Dissolve** A program like ViewILBM, but the image slowly coalesces as pixels are added in random patterns. Inspired by an article in Nov 86 issue of Doctor Dobb's Journal by Mike Morton. Includes source. Author: Lee Robertson FF73, AM15  
**DisTerm** The dissidents telecommunication program. Has built in phone directory requester, autodial, various file transfer protocols, ascii send and capture,

full/half duplex, split window, color requester, macro keys, selectable baud, CR/LF expansion, automatically configured per phone entry. Binary only. Author: Jeff Glatt FF462  
**Dk** A little display hack, inspired by Leo's gems: Written in Modula-2, includes source. Slightly newer than version on FF66. Author: Thomas Handel FF69, FF66, AM18  
**DKBTrace** A freely distributable raytrace program that takes a text description of a 3D scene and renders it to a 24-bit file which may be converted to HAM or viewed on an 24-bit card. The program features sophisticated textures, constructive solid geometry, and various graphics primitives such as quadrics (cones, cylinders, etc.), spheres, planes, triangles, smooth triangles, and quartics (donuts, etc.) Also included are many sample data files and many utilities for creating new data files and for post-processing the output files. Source and executables are included. Because of its size, the distribution has been split onto two disks. Disk 513 contains the raytracer and disk 514 contains the utilities. This is version 2.12, an update to version 2.0 on disk 397. Author: David Buck FF514, FF513, FF397  
**DM-Maps** IFF maps to the Dungeon Master game. All 14 levels are included. Author: Unknown FF240  
**DMake** Matt's version of the UNIX make utility. Features multiple dependencies, wildcard support, and more. This is version 1.0, an update to version 1.0 on disk 246, but now includes source. Author: Matt Dillon FF440, FF246, FF179  
**Dme** Version 1.45 of Matt's text editor. Dme is a simple WYSIWYG editor designed for programmers. It is not a WYSIWYG word processor in the traditional sense. Features include arbitrary key mapping, fast scrolling, title-line statistics multiple windows, and ability to iconify windows. Update to version 1.42 on disk number 441, includes source. Author: Matt Dillon FF530, FF441, FF284, FF168 & 169, FF153, FF134, FF113, FF93, FF87, FF74, FF59  
**DmeAsm** A utility for those who use Matt Dillon's Dme editor and HighSoft's DevPac Assembler. DmeAsm is a CLI command file that takes your source code as a parameter and opens a window similar to the Assemble window inside Devpac (Genam2) and gives similar options. If no parameter is supplied then the window will still open and you can supply your own. Version 1.1, includes source in assembly Author: Nic Wilson & W Weber FF365  
**DmeMacros** A set of DME macros which utilize templates to turn DME into a language-sensitive editor for C, Pascal, Modula-2, and Fortran. Author: Jerry Mack FF146  
**DMouse** A versatile screen & mouse blanker, auto window activator, mouse accelerator, popcli, pop window to front, push window to back, etc, widget. This is DMouse version 1.25, an update to version 1.24 on disk 407. Includes source. Author: Matt Dillon FF421, FF407, FF258, FF238, FF168 & 169, FF160, FF145, FF105  
**DMS** DISK-Masher is a utility that allows users to compress and archive entire floppy disks. Offers four different types of compression, extended virus checking of boot blocks, and data encryption. Requires at least 512K of memory. This is version 1.01, binary only. Author: SDS Software FF406  
**DNet** A link protocol that provides essentially an unlimited number of reliable connections between processes on two machines, where each end of the link can be either an Amiga or a Unix (BSD4.3) machine. Works on the Amiga with any EXEC device that looks like the serial.device. Works on UNIX with tty and socket devices. Achieves better than 95% average throughput on file transfers. V2.10.13. Includes sources for both the Amiga and Unix versions. By Matt Dillon FF294, FF220, FF145  
**Do It By Remote:** Build an Amiga-operated remote controller for your home. Author: Andre Theberge AC9  
**DocSplit** A program to split the 1.3 autodoc files into individual subroutine files. One file is created for each subroutine, with the name created by appending .doc to the subroutine name. Version 1.0, includes source. Author: Joel Swank FF304  
**Doctor\_A** This animation of Amiguy on the basketball court is Marvin's entry to the 1989 BADGE Killer Demo Contest. The animation source (for SculptAnimate-4D) is available from the author. Author: Marvin Landis FF268  
**Dodge** Short Modula-2 program moves the Workbench screen around after a period of time, prevents monitor burn-in. AM25  
**dogstar** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13  
**DogsWorld** This animation is Charles' entry to the 1988

Badge Killer Demo Contest. by: Charles Voner FF212  
**Dominos** The standard game of dominos with 6-6 set. The computer will provide quite a challenge to any skilled player. Version 1.0, includes source in Basic. Author: Russell Mason FF501  
**DoRevision** This program implements easy creation of source code revision headers (very similar to the log headers to be found at the top of the Amiga 'C' include files). Version 1.0, includes source. Author: Olaf Barthel FF325  
**DOSDev** Example DOS device driver in Manx C. Version 1.10, includes source Author: Matt Dillon FF113  
**DosError** A small CLI utility that will return a slightly more verbose description of a DOS error code than that returned by the System. Can save a trip to the manual for vague or unfamiliar error codes. Version 2.0, includes source in assembly. Author: Robert Lang FF366  
**DOSHelper** Windowing program to print help information about various DOS command. Version 1.60. Suggested \$10 donation. Author: John Youells FF40, AM14  
**DOSWik** A pair of programs which allow you to save files, or a group of files, to one or more floppies for quick loading (loading up a RAM disk for example). Does not store files in DOS format, which is why it is faster. Version 2.0, update to version on FF 103. Binary only, shareware. Author: Gary Kemper FF129, FF103  
**DosManager** You can copy, delete, move, view, show as pictures, play as samples, rename, ... , files with this program. It is also possible to program a personal command with Dos- Manager. This is version 1.0, shareware, binary only. Author: Jurgen Stohr FF533  
**DOSPlus1** First volume of CLI oriented tools for developers. Executables only Author: Bill Beogelein FF32  
**DOSPlus2** Second volume of CLI oriented tools for developers. Executables only Author: Bill Beogelein FF32  
**DOSWatch** Monitor for calls to AmigaDOS via dos.library. Needs Kickstart 1.2 or 1.3. This is version 1.0. HiSoft Devpac Assembler V1.21 source included. Author: A.Voss Wrede FF501  
**DoTil** Lists, in alphabetical order, all files on any two directories, showing file size, creation date/time, and amount of free disk space. Also copies, renames, or deletes files and/or directories, and moves files from one directory to another. Version 2.0, shareware, author suggests \$15 donation. by Dan Franki FF70  
**Dots-Perfect** Printer driver for an Epson MX80 printer with the Dots-Perfect upgrade kit installed. Includes source. Author: Robbie Akins FF108  
**dotty** Source to the 'dotty window' demo on the Workbench disk. Posted to usenet by Dale Luck. FF1, AM1, AM4  
**Double Playfield:** Shows how to use dual playfields in AmigaBASIC. Author: Robert D'Asto AC2  
**Downhill** A skiing arcade game. Ski skylar mountain, a dangerous, steep, downright scary mountain with bonus flags to pick up, rocks, bushes, and branches to jump over, all while avoiding obstacles such as trees. The longer you stay up the faster you ski and the more points you get. Binary only, joystick required, works only under AmigaDOS 1.3. Author: David Alves FF425  
**Dozer** An IFF picture of a bulldozer. AM7  
**dpxcode** decrypts Deluxe Paint, demo. AM14  
**DPFFT** An enhanced version of DPlot. DPlot is a simple display program for experimental data, with the goals of supporting paging through lots of data and providing comfortable scaling and presentation. DPFFT includes the ability to plot a Fast Fourier Transform (FFT) of the data, customized amplitude and phase spectrum, prewhitening capability, and a Welch window for spectral smoothing. Update to version on disk number 324. Version 2.2, binary only. Author: A. A. Walma FF364, FF324  
**DPlot** A simple display program for experimental data, with the goals of supporting paging through lots of data and providing comfortable scaling and presentation. V2.0 Binary only. By A. A. Walma FF290  
**DPS** Demo version of a program to take any IFF file and save it as a totally self-contained executable file, without the need for any IFF-viewers. V1.0, binary only. By Foster Hall FF184  
**Dps** A program designed to work with the PrintScript program, a commercial PostScript interpreter for the Amiga, to provide a page previewer. V 1.1 with source. by: Allen Norskog FF209  
**dpslide** A slide show program for displaying graphic images which are in the IFF format, such as output from the Electronic Arts Deluxe Paint program. Allows the user to select the display time for each slide and the method of bringing the slide up to the screen, and then removing it. Double buffers images to improve smoothness of display. Author: Paul Biondo FF11, AM3, AM6  
**Dr** Another alternative CLI directory lister command. This one features extreme optimization for speed, a variety of output formats, hiding of info files by default, and AmigaDOS pattern matching. It is pure

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(residentable). It is intended to outperform all other directory lists. Includes the additional utilities ForEvery and Whichever. Release 1.2, includes source. Author: Paul Kienitz FF429

**Draco** Update to Chris Gray's Draco distribution for the Amiga. Enhancements include support for floating point, register variables, more optimization, improved call/return standard, etc. V1.2 Requires documentation from FF77 to complete the distribution kit. Binary only. By Chris Gray FF201, FF76 & 77

**dragon** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**DragonCave** A nicely done Sokoban like game for the Amiga. Features include sound effects, two or three dimensional graphics, 100 levels (50 of which can be customized with the built-in editor), undo of up to 1000 preceding steps, transparent copying of data files to ram: for reduced load times, both English and German versions, and more. Version 1.00, binary only. Author: Hartmut Stein and Michael Berling FF395

**draw** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**DrawMap** Release 3.1 of a program for drawing representations of the Earth's surface. This release generates maps in any combi- nation of 16 colors with full user palette control, larger map files with national boundaries, faster generation of box and globe views, an improved online Help facility, provision for saving and printing displays, and general tightening of the source code. Accelerated version requiring a 68020 CPU and 68881 FPU also provided. Full source code included. Requires 1.2 megabytes of memory. Update to version 2.25d on disk 485. Author: Bryan Brown. FF545, FF441, FF284, FF168 & 169, FF153, FF134, FF113, FF93, FF87, FF74, FF59

**Drawmap** A program for drawing representations of the Earth's surface. This version includes a completely rewritten user interface and some new functions. Version 2.25d, an update to version 2.0 on disk 315. Includes source. Authors: Bryan Brown & Ulrich Denker FF485, FF315, FF229

**DRES V1** Support (run time) library w/ lots of functions including a generic parser & IPC. FF168 & 169

**Drip** Drip is an arcade style game with 15 floors (levels). You must move along the pipes of each floor and rust them to advance to the next level. Every 3 floors completed will entitle you to a bonus round where extra drips can be won. An extra drip will also be awarded for every 10,000 points. Binary only. Author: Art Skiles FF347

**Driver** Demo device driver in source. Functions as a RAM disk for demonstration purposes. Author: Lee Erickson FF39

**DriveWars** DriveWars is a Shareware shoot'em up game that pits you, dfo: or df1:, against a computer virus that is about to destroy all U.S. records of Iraq's positions during operation Desert Shield. In version 1.0, you must fly dfo: through the computers and destroy all contaminated chips and disks. Author: Joe Angell FF400

**DropCloth** DropCloth lets you place a pattern, a 2 bitplane IFF image or a combination of a pattern and image, into the WorkBench backdrop. This is version 2.4. Shareware, binary only. Author: Eric Lavitsky FF201, FF128, FF59

**DropShadow** Dropshadow version 2, rev 0, for use with Bryce Nesbitt's Wavebench demo. Binary only. Author: Jim Mackraz FF112, F87, FF74, FF59, AM18

**DSM** Dynamic Sound Machine Demo version with 'Save' disabled of a program that will take any IFF sound or raw data and save it as a totally self-contained, runnable program. By Foster Hall FF167

**DsSound** DsSound is 8SVX sound sample player that plays samples directly off the hard drive. The sound sample is played as it is loaded, making it possible to play sound samples of any length even under limited memory conditions. Version 0.91a, includes source. Author: Dave Schreiber FF546

**DT** A "DiskTest" utility for floppy disks, la Norton Utilities. Version 1.12, includes source (SAS-C). Author: Maurizio Loreti FF539

**DTC** A utility providing a simple calendar which can hold and show appointments. It may be useful in managing your time. Its chief goals were to provide day, week and month at a glance for any date between 1/1/0001 and 12/31/9999, defaulting to the current date. It is menu driven and fairly easy to use. With source in Fortran. By Mitch Wyle, Amiga port by Glenn Everhart FF335

**DTerm** Small, flexible, terminal program with intelligent data mapping, intelligent keyboard mapping, dynamic menus, intelligent command language, asynchronous IO, duplex control, and a state machine structure allowing you to build any automatic control structure you

wish (from auto-redial, sequence dialing, to auto-logon). Version 1.10, binary only. Author: Matt Dillon FF73

**DU** A Workbench 2.0-aware DU program. Unlike other Amiga DU programs, it will skip over links to files and links to directories. Not only does this give a more accurate representation of how much space the contents of a particular directory are taking up, it also prevents infinite loops when a directory has a link to one of it's ancestors. Version 1.02, includes source. Author: Dave Schreiber FF496

**Du** Prints number of disc blocks used in selected files or directories. Modified to make output more readable, and handle ^C exit. Includes source. By: Joe Mueller, enhancements by Gary Duncan FF345

**Dual Demo:** How to use dual playfields to make your own arcade games. Written in C. Author: Thomas Eshelman. AC7

**dualplay.c** Dual playfield example. C program. AM4

**DualPlayfield** An example of using a dual-playfield screen, using a method contrary to documentation in the Intuition Manual Author: Jim Mackraz FF41

**DuM2** A version of the ever popular directory utility (dirutil) but this one is written in Modula 2 and includes source. Dirutil is a program to wander around a directory tree and perform various operations on files. Version 1.5. Author: Greg Browne FF75

**DumpDiff** A small utility that prints the hexdumps of 2 files, with all differences between these two files highlighted. Version 1.0, includes source in Modula-II. Author: Fridtjof Siebert FF253

**DumpHarpoon** Program that dumps the .DAT data files for the game HARPOON. Author: Mark Kyprianou FF525

**Durer** Draws pictures in the style of Durer. A BASiC program. AM1

**Dux5** Latest version of directory utility which is a descendant of the original dirutil program by Chris Nicotra. Includes source. Author: Enhancements and fixes by lots of people FF67

**DvorakKeymap** Example of a keymap structure for the Dvorak keyboard layout Untested but included because assembly examples are few and far between. Author: Robert Burns @ Commodore-Amiga FF27

**DWIP** 'Daisy Wheel IFF Printer'. A graphics printing utility that allows the printing of IFF pictures on a daisy wheel printer. Includes source. Author: Ken Van Camp FF160

**DX-Synth** Voice filer program for Yamaha DX series synthesizers. Voices are transferred to and from the Amiga over MIDI. Update to 'VoiceFiler' released on FF38. Binary only. Author: Jack Deckard FF82

**DX-VoiceSorter** To be used with Jack Deckard's VoiceFiler program. (Disk 82). It allows for the sorting of a number of voicefiles stored using that program into a new voicefile of voices created from various files. With source. By David Bouckley FF149

**DynaCADD** Part 1 of a two part demo distribution of DynaCADD from Ditek International. DynaCADD is a professional 2D and 3D CAD package. This demo is fully functional except for disabled save and export functions. Requires a system with 68020/68030 and a 68881/68882 math processor. This disk contains all the files necessary to recreate the DynaCADD demo disk number 1. The files for demo disk number 2 can be found on library disk number 435. This is version 1.84, binary only. Author: Ditek International FF434

**DynaCADD** Part 2 of a two part demo distribution of DynaCADD from Ditek International. DynaCADD is a professional 2D and 3D CAD package. This demo is fully functional except for disabled save and export functions. Requires a system with 68020/68030 and a 68881/68882 math processor. This disk contains all the files necessary to recreate the DynaCADD demo disk number 2. The files for demo disk number 1 can be found on library disk number 434. This is version 1.84, binary only. Author: Ditek International FF435

**Dynamic Memory:** Flexible string gadget requester using dynamic memory allocation. Author: Randy Finch. AC8

**dynamictriangle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. It is not certain which of the two early basics this program used. FF13

**DynaShow** A program and example image using a dynamic HiRes technique to display up to 4096 colors in high res with overscan. Dynamic HiRes uses a different 16 color palette on each scan line. Version 1.1, binary only. Author: NewTek FF285

**EAgus.pic** The guys at Electronic Arts. AM6

**EasyBackup** A CLI-based hard-disk backup/restore utility. Features incremental backups by archive bit status, by datestamp, or command-line query. Incremental backups can be appended to an existing backup set. Includes source. Author: Oliver Ensling FF365

**EasyExpress** A compiler tool for the users of Charlie Gibbs' A68k assembler and The Software Distillery's BLink. EasyExpress does the same job better than

your batch file and is much easier to change for current use. If you use many object files, EasyExpress can make your life much easier. You can do almost everything via mouse and just watch how easily the compilation of your program happens. Binary only. Author: Juha Lindfors FF547

**EasyMouse** Another threshold-mouse-accelerating, screen-to-back, window-to-front, mouse-blanking, screen-blanking, auto-window activating, low-memory-warning, auto-window sizing, configuration-savable clock! Version 1.0, includes source. Author: Oliver Ensling FF365

**Echo** A small replacement for the AmigaDOS echo that will do some special functions, such as clear the screen, delete to bottom of screen, scroll the screen, place the cursor at a particular location, and set the text style and/or color. Includes source. Author: Garry Glendown FF217, FF36

**Echo Echo** is a replacement for the AmigaDOS or ARP echo command. This version provides easy color setting or positioning for all echo'ed strings. Completely compatible with the AmigaDOS and ARP echo commands, all your old batch files should work correctly. Version 1.08c, includes source. By: George Kerber (based on echo by Garry Glendown) FF311

**Echo** Todor Fay's SoundScape module source code from his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**echox** UNIX-style filename expansion, partial S, C program in C source code and executable. Documentation included. AM1

**Eco** An ECHO replacement which allows many escape sequences for colors, text styles, cursor positioning, system variables, and much more. Has PURE bit set and can be made resident. Version 3.40, includes source. Author: Dario de Judicibus FF391

**ECPM** A CP/M emulator for the Amiga. Emulates an 8080 along with H19 terminal emulation. Update from version on FF109. Includes source. Author: Jim Cathey; Amiga port by Charlie Gibbs; Significant improvements by Willi Kusche FF157

**Ed** An editor based on the editor described in the original Software Tools book. It is very similar to the UNIX 'ed' editor, but not identical. Includes source. Author: Brian Beattie FF84

**EdCommands** Text guide to the ED editor. AM1

**Edimap** A keymap editor. Allows you to read in an existing keymap file, modify it to suit your needs, and save it as a ready-to-use keymap. V1.0, includes source. By Gilles Gamesh FF182

**EdLib** A library of additional functions for Manx. This is V1.1, an update to V1.0 from FF183. With source. By Edwin Hoogerbeets with C-functions from several different authors FF218

**EFJ** A fast action machine-code game (Escape From Jovi) featuring hi-res scrolling, large playfield, disk based high score list, stereo sound, multiple levels, a cheat mode, realistic inertia and gravitational effects, an animated sprite, and more. Use a joystick in port 2 to control the ship. This is version III, an update to the version on disk 148. Includes source in assembly code. Author: Oliver Wagner FF259, FF148

**Egad** A gadget editor from the Programmers Network. Very nicely done and very useful. Author: John Draper, Ray Larson, Brent Southard, and Dave Milligan FF46

**EGraph** Egraph reads pairs of x and y values from a list of files and draws a formatted graph. Supports four unique curve fonts; solid curves, dashed curves, dotted curves, and long dashed curves. The maximum number of data points is unlimited. Has globs of options. Binary only. Author: Laurence Turner FF58, A

**EgyptianRun** Cute little 'road race + hazards' type game. Version 1.1, binary only, shareware, source available from author. Author: Chris Hames FF120

**EBH** Checks to see if you have extra-half-bright graphics. In C source code, executable program and documentation. AM21

**electric guitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Elements** Very nice interactive display of the the Periodic Table of Elements. Includes general row and column information, plus a test mode where the program asks specific questions about the selected element or row/column. This is version 2.3, an update to version 2.0 on disk 368. Binary only, shareware. Author: Paul Thomas Miller FF384, FF368, FF297, FF253, FF175

**Eless** A faster directory lister, that also sorts entries and displays directories in the current cursor color (ala the Manx 'ls' program). Includes source. Author: Leo Schwab FF75

**ElGato** This animation is Kevin's entry to the Badge Killer Demo Contest. It also has a background music arrangement, that requires Sonix to use. Author: Kevin Sullivan FF125

**Elib** Example of building a shared library using small

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model Manx C. Includes source. Author: Jim Mackraz FF87

**EliteBBS** An online message and file handling system. Features include a message base, private mail, file library, support for xmodem, ymodem, and zmodem, fully buffered serial I/O routines for top speed, time limits, and more. Version V.31, binary only. Author: Nick Smith FF444

**Eliza** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM18

**Emacs** An early version of the Amiga text editor, C program in C source code and executable. Documentation provided. AM2

**EmacsKey** Makes Emacs function key definitions by Greg Douglas. In C source code, and documentation. AM19

**Empire** Empire is a multiplayer game of exploration, economics, war, etc, which can last a couple of months. Can be played either on the local keyboard or remotely through a modem. This is version 2.1w, an update to version 1.33w on FF329. Changes include a client-server system, a chat/CB mode, realtime private player to player messages, and other enhancements. Binary only. Author: Chris Gray, David Wright, Peter Langston FF357, FF329, FF118

**Emporos** You are living on the island of Emporos, where several countries exist. Your goal is to make one of these countries your own. There is only one way to do this, and you have to find it out. Binary only. Author: Roland Richter FF229

**Enforcer** Detects/protects against illegal memory hits. Compatible with all OS versions & machines (requires a Memory Management Unit or 68030 processor). The low 1K of memory and all areas that are not RAM are protected from CPU reads or writes. ROM is marked as read-only. Version 2.6f, binary only. Author: Bryce Nesbitt FF474

**Enforcer** Enforcer uses the MMU to build a shroud of protection over anything that is not legal memory. Any empty holes in the address space are marked as illegal. Reads of the system ROMs are allowed, but not writes. With the exception of longword reads of location 4, the lowest 1K of memory is completely protected. When an illegal access is detected, the power LED will flash and a detailed message will be sent out the serial port. Binary only. Author: Bryce Nesbitt FF454

**Enigma** An interactive animation object that can be viewed as a puzzle or a game object. The Enigma! Machine can be programmed by the user to generate text. Part of the challenge is to discover how to program it to generate meaningful output. Version 1.00, binary only. Author: Martin C. Kees FF516

**Enigmas** Nifty graphic simulation of the World War II German Enigma-Machine, a message encoding/decoding device that produced extremely difficult to crack cryptographic code. Binary only. Author: Gaylan Wallis FF367

**Enough** A new CLI execute file command that tests for various system resources such as available memory or existence of specific files, directories, or devices. Author: Bruce Barrett @ Commodore-Amiga Player Animation Player for Aegis Animator: Received directly from Aegis Development. FF29

**Entertainer** Plays The Entertainer, a Scott Japlan song made famous by "The Sting". A Basic program. AM1

**EOMS** Experts Only Mercenary Simulator. A neat (and tough) PD game that was originally developed for eventual commercial release but, for various reasons, the author decided to release as PD instead. So far my son has beat every other Amiga game I've got, both PD and commercial, but he gave up on this one. For serious game players. Binary only. Author: Daniel Cardenas FF78

**Ephemer** A program which calculates the positions of the sun, moon, and planets for any date and any place. Includes source in HiSoft BASIC. Author: Yvon Alemany FF482

**Epson** An improved Epson driver that eliminates streaking. AM9

**Epson LQ-800** Printer driver for the Epson LQ-800. AM9

**epsonset** Executable program that sends Epson settings to PAR from menu. Documentation included. AM12

**EraseDisk** A small, fast program used to erase a disk by setting all bits on the disk to zero. Version 0.69, includes source in assembly. Author: Otto Bernhart FF544

**Error** Adds compile errors to a C file, C source code. AM3

**Esperanto** A keymap modification to usa1 which, in conjunction with the supplied slate.font, will allow one to type in Esperanto and Welsh, in any program that will use keymaps & fonts by: Glyn Gowing FF211

**esuoM** A little screen hack that causes the mouse pointer to move in the opposite direction of the mouse. Includes source. Author: Rob Eisenhuth FF229

**Etale** Another 'more' or 'less' type file reader, which differs

from the others in that it supports superscripts and subscripts at very low memory cost, and supports a complete Greek alphabet. Includes source. Author: William Hammond FF254

**EternalRome** A historical strategy game, that in spite of its high complexity is fast and easy to play. Fully mouse controlled with a fine zoomable map of the Roman empire (overscan and interlaced options). The simulation delivers many historical insights because of its accuracy (may be used for educational purposes) and is a challenging and entertaining game for two or more players (also interesting for solitary studies). Version 1.0 (tryware). Binary only. Author: Sven Hartumpf FF502

**Etime** Etime will display the elapsed time between events. This is useful in scripts to display the elapsed time between the beginning and ending. Many options including color and time displayed as hh:mm:ss or total seconds. Version 1.05c, includes source. Author: George Kerber FF311

**Eval** This package allows you to manipulate expressions. Currently its two main functions are evaluation and differentiation. It also does some basic simplifications (based on pattern matching) to make the result of a differentiation more presentable. Includes source. Author: David Gay FF192

**Evo** A human evolution toy/tutorial. Includes source. Author: Steve Bonner FF130

**Evolution** This program graphically simulates the evolution of a species of 'bugs', the insect kind. Bugs, represented by moving blobs, eat bacteria represented by single pixels. They mutate, compete for food, reproduce and pass their mutations to their offspring. Nice example of graphics and software simulation. Standalone image and source code. Author: Russel Yost FF239

**EW Patch** for Intuition OpenWindow() and CloseWindow(), creating a Mac-style frame whenever a window is opened or closed. Very short, with source in assembler. By O. Wagner FF286

**Examples** Assembly and C code examples, including some old favorites (like speechtoy and yacht3) downcoped to assembly language. Includes a replacement for the official audio device, an example of creating a subtask, a rewrite in assembly of R. J. Mical's file requester, an example of installing a custom input handler ahead of intuition, and more. Author: Jim Fiore & Jeff Glatt FF203

**Exceptional Conduct** A quick response to user requests, achieved through efficient program logic. Author: Mark Cashman. AC10

**Exception** Exception is a set of error handling routines that provide a programmer with the ability to easily handle often difficult to implement routines. Routines such as no more memory, file not open, read/write error....etc. V0.6, includes source. By Gerald T Hewes FF179

**exec.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**ExecDis** A disassembler comment generator program for the 1.2 Kickstart ROM exec library image. Generates a commented disassembly of the exec library. V1.0, binary only. By Markus Wandel FF188

**ExecLib** A working example of how to build and use user-defined disk-resident libraries. Of special interest to developers working with Lattice C. Author: Alex Livshits FF150

**ExecRexx** A program that turns an ARexx script into an executable which can be run from WorkBench or the CLI. Binary only. Author: Jeff Glatt FF463

**Exp\_Demo** Demo version of Express Paint 1.1. This is the program that was used to create the huge scrolling demo picture in the AMUC\_Demo drawer on this same disk. Binary only. Author: Stephen Vermeulen FF117

**Expose** Program which will automatically cause all screen drag bars and screen depth-arrangers to become exposed. Sends a message to windows which obscure the screen drag bars, asking them to move down a pixel, and also to become smaller if necessary. Includes source. Author: John Russell FF73

**extdisk** Text, external disk specification. AM5

**ExtFuncProc** External Function Process. Allows execution of any library function from simple tasks even if these functions require a process environment. For experienced programmers only because there isn't any documentation written yet but only an example. ExtFuncProc is used by GMC. It runs under KS 2.0. Binary only. Author: Goetz Mueller FF387

**EZAsm** Combines parts of "C" with 68000 assembly language. The resulting code is optimized as much as possible. Now bundled with A68k and Blink for a complete programming environment. New "c.lib" functions and more. This is version 1.5, an update to version 1.31 on disk 431. Includes example source and executable files. Binary only. Author: Joe Siebenmann FF484, FF421, FF421

**ezspeak** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**ezterm** A basic sample program from Fred Fish's Grab Bag. It is not certain which of the two early basics this program used. FF13

**FAClock** Front Analog Clock. This clock program always stays at the very front of the display. Binary only. Author: Jonathan Potter FF412

**FAM** A File Access Manager for the Amiga that allows multiple ARexx programs to access a buffered version of a directory in a consistent and serialized manner. It buffers all the names, dates, sizes and so on, for quick access. Version 1.1 with source. By: Darren New FF325

**Family\_Sol** A preliminary version of the Authors Family Solitaire card game. A standard game of Solitaire with options for multiple players, sound etc. Binary only. Author: Errol Wallingford FF473

**FarPrint** Debugging functions for programs which don't have any links to their environment. FarPrint consists of two major parts; a harbour process open to receive and distribute messages and requests, and a set of C functions to be linked into any program wishing to communicate with the FarPrint main process. This is version 1.5 and adds a shared library as well as linker libraries for both Lattice and Aztec C. Includes source. Author: Olaf Barthel FF325, FF281

**Fast Fractals:** A fast fractal program written in C with Assembly language subroutines. Author: Hugo M. H. Lypkens AC6

**Fast Pics:** Re-writing the pixel drawing routine in Assembly language for speed. Author: Scott Steinman AC6

**FastBlit** A small tool to speed up blitter operations by up to 60%. Version 1.0, binary only. Author: Ralf Thanner FF354

**FastDisk** A disk optimizer providing two ways of optimizing. Originally written by Thorsten Stolpmann. This is version II, now featuring an Intuition interface, ARP support, bug hunting, and Lattice C compatibility, done by Oliver Wagner. Includes source in C. Author: Thorsten Stolpmann and Oliver Wagner FF286

**fasterfp** Explains use of fast-floating point math C program. AM1

**FastGro** A fractal program, simulating Diffusion-Limited Aggregation (DLA) as described in the December 1988 Scientific American in the Computer Recreations column. This program is about an order of magnitude faster than the "SLO GRO" program described in Scientific American. V 1.0, includes source. By Doug Houck FF188

**FastLife** A fast life program featuring an intuition interface, four screen sizes, 19 generations/second, and 153 patterns in text file format. Version 1.0, binary only. Author: Ron Charlton FF469

**FastText** Blitter based fast text rendering routines written in assembly. Unique in the fact that they speed up rendering of non-proportional fonts of any height, and from 4-16 pixels in width. With source and test program. By Darren M. Greenwald FF170

**fBlanker** A utility for blanking the screen after a defined period of no action. Shows a multicolor Amiga checkmark. This is version 1.1, binary only, requires AmigaDOS 2.0. Author: Markus Stoll FF491

**FBM** An Amiga port of the Fuzzy PixMap image manipulation library. This package allows manipulation and conversion of a variety of color and B&W image formats. Supported formats include Sun rasterfiles, GIF, IFF, PCX, PBM bitmaps, 'face' files, and FBM files. Also has input converters for raw images, like DigiView files, and output converters for PostScript and Diablo graphics. Besides doing format conversion, some of the other image manipulation operations supported include rectangular extraction, density and contrast changes, rotation, quantization, halftone grayscaleing, edge sharpening, and histograms. V 0.9, binary. By Michael Mauldin; Amiga port by Kenn Barry FF334

**FCS** Pre-release version of an iterated Fractal Construction Set program, used to generate iterated fractal images such as Sierpinski's triangle, ferns, etc. This is version 0.99, binary only. Author: Garth Thornton FF465

**Fd** A modified version of Leo's 'eless' that processes an entire track at a time, to minimize rereading of blocks. Includes source. Author: Leo Schwab, enhancements by Stephen Vermeulen FF75

**Fedup** A random access, byte oriented file-editor that gives you the option of viewing and editing any file (binary or ASCII) using either ASCII or hexadecimal notation. Version 2.1, binary only. Author: Martin Lindemann FF230

**Fenster** A program which can operate on windows owned by another program, to close them, change their size, refresh gadgets, move the window to the background, etc. This is version 2.2, an update to version 2.1 on FF305. Includes source in assembly. Author: Roger Fischlin FF362, FF305, FF298, FF245



# Freely Redistributable Software

**ff** A very fast text formatter, controlled exclusively by command line arguments. Author: Gary Perlman & hordes of students FF3

**FFEX** Another program for fractals. Lots of features. Uses an interesting algorithm for extra speed. Source includes modules for reading/writing ILBM pictures, and for using the ARP filerequester in modula. Version 4.0. Author: Robert Brandner FF549

**FFP & IEEE** An Example of using FFP & IEEE math routines in Modula-2. Author: Steve Faiwizewski AC1

**FFT** Highly optimized Fast Fourier Transform tools for digital signal processing. The FFT can be used to compute the frequency spectrum of a complex signal. It is useful in a variety of different applications. Floating point and integer versions. Mixture of high level and assembly language code. Includes source (requires JForth). Author: Jerry Kallaus FF239

**FifoDev** FIFO: is like PIPE: but is based on fifo.library rather than its own implementation. Fifo.library is a general fifo library implementation that supports named fifos, writing to a fifo from a hardware exception, multiple readers on a fifo with each getting the same data stream, efficient reading, and automatic or manual flow control. Programs that require non-blocking IO can access one side of a FIFO: connection via the fifo.library instead of the FIFO: device. Version 2, an update to version on disk 432. Includes some source. Author: Matt Dillon FF448, FF432

**FifoLib** FIFO: is like PIPE: but is based on fifo.library rather than its own implementation. Fifo.library is a general fifo library implementation that supports named fifos, writing to a fifo from a hardware exception, multiple readers on a fifo with each getting the same data stream, efficient reading, and automatic or manual flow control. Programs that require non-blocking IO can access one side of a FIFO: connection via the fifo.library instead of the FIFO: device. Version 3.1, an update to version 2 on disk 448. Includes some source. Author: Matt Dillon FF519

**File** A program that recognizes various types of files and prints what that type is. Recognizes font files, icon files, executable files, standard object files, compressed files, command scripts, C source, directories, iff files, LaTeX source, modula II source, arc files, shell commands and scripts, TeX source, dvi files, uuencoded files, yacc files, zoo archives, etc. Version 1.0, includes source. Author: Edwin Hoogerbeets FF231

**FileBootBlock** This simple little program reads blocks 0 and 1 of a bootable disk and saves them as a program file that can be run (heaven forbid) or disassembled by programs like DIS or DSM. Includes source in assembly code. by: John Veldhuis FF191

**FileEncrypt** Another intuition based file encryptor to enable you to scramble your highly secret, hard earned source code and prevent your co-workers from taking credit for it! Includes (unscrambled) source. Author: Lorenz Wiest FF379

**FileISG-Demo** A demo version of Softwood File Ilsg, a database manager with sound and graphics. Also includes a database of previously released disks in this library, courtesy of Stan Spence. Binary only. Author: Woody Williams and Donald Brady FF86

**FileIO** A file requester library based upon an example by R.J. Mical. Has numerous features, including uses other than disk I/O. Version 1.C, update to version 1.9 on disk 393. Binary only. Author: Jeff Glatt, Jim Fiore, R.J. Mical FF463, FF393, FF348, FF307, FF257

**FileIt** A simple database program, written in DRACO. It is meant to be portable, thus it does not use any of Intuition's facilities. Version 1.0, includes source. Author: John Davis FF230

**FileMaster** A file editor like NewZap or FedUp, which allows you to manipulate bytes of a file. You may also change the file size or execute a patch. Version 1.20, update to version on FF298, includes source in assembly. Author: Roger Fischlin FF361, FF298

**Filenames** AmigaDOS filename wildcard conventions in a text file. AM1

**FileReq** This is Jonathan's second version of a file requester, and is much more powerful than the one included on disk 204. Shareware, with source. By Jonathan Potter FF242, FF204, FF85

**FileRequest** Assembly code example of a file requester. V2.0, an update to FF173, where it was called FileSelect. New features include 3 speed scrolling of filenames and ghosting of unavailable devices. Includes source. Author: Fabrice Lienhardt FF292, FF173

**FileRequester** A very nice file requester module for lattice C programs, along with a demo driver program. Author: Charlie Heath FF35

**FILES V1.2** Matt Dillon's disk catalog program. FF168 & 169

**FileSearch** This program will search an AmigaDOS volume for a specified file, using a filename pattern.

Useful for hard drive owners wanting to find a file/program quickly. AmigaDOS wildcards aren't supported, '\*' wildcards are. Has an Intuition interface. Version 1.5, binary only, WB2.0 only. Author: Matt Crowd FF531

**FileSelect** A FileIO selector, written 100% in assembly. Version 1.0, includes source Author: Fabrice Lienhardt FF173

**FileSystems** Displays AmigaDOS disk devices with information about the head geometry, BufMemType, and the lower level exec device. With source. By Ethan Dicks FF329

**FileTest** This routine is used to recursively descend the file system tree from a specified directory location, reading the files into memory (if they will fit) as it goes. Useful as a complete test of file system integrity. Includes source. By Stephen Vermeulen FF284

**FileTypes** This program can recognize different kinds of files in a directory. Currently recognized types are executable and IFF (all types, ILBM, 8SVX etc.). Includes listing the whole contents of a directory or only files of one or more types. This is version 2.1, and includes assembly source. Author: Sebastian Leske FF415

**FileWindow** A completely public domain file requester which may be used in any program, even commercial ones. It uses dynamically allocated memory to hold the file names so the only limitation is the amount of memory available. Includes a filter option to limit display of filenames to only ones with a specific extension. Names are automatically sorted while they are being read and displayed. This version has been enhanced by Bernd Schied for more device gadgets, renaming of files and directories, ANSI-C source, and more. Update to version 1.10 on disk 336. Includes source. Author: Anders Bjerrin, Bernd Schied FF464, FF336

**filezap** An updated version of the file zap utility first released on FF10. Can be used to patch any type of file. Nice, and VERY useful. Author: John Hodgson FF14, FF10, AM16

**FillDisk** Disksalv has been known to find some rather interesting things in the free blocks of some production disks from companies that should know better. This little hack makes sure you don't get caught in the same trap, by scribbling the disk's free blocks in a totally safe manner. Includes source (all 20 lines of it). Author: Fred Fish FF61

**fillbuster** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Find** Find is a utility which searches for files that satisfy a given boolean expression of attributes, starting from a root pathname and searching recursively down through the hierarchy of the file system. Very much like the Unix find program. V1.2, includes source. Update to FF134 Author: Rodney Lewis FF197, FF134

**FINDIT V1.00** Search for a filename (wildcard) FF168 & 169

**FindName** A program to be used in scripts. It allows you to verify the presence of certain structures in RAM. You can currently search for devices, libraries, memory, messageports, resources and tasks. The search is done by name. Version 1.0, includes source in assembly. Author: Preben Nielsen FF547

**FineArt** This is a collection of works from some of the best of current Amiga artists. Many thanks to Jim Sachs, Sheryl Knowles, Jack Haeger, and Aegis Development for submissions. FF30

**FirstSiliCon** A smart input line interpreter that provides a separate command window with full editing and recall of previous commands. Actual name is 'Sili(Con)'. By Pete Goodeve FF50

**Fish** A demo program which runs an AnimOb in a double buffered screen with sequence cycled animation'. (Basically shows a fish 'swimming' across the top of the screen). Author: Catherine Wagner (posted by Barry Whitebook) FF15

**FiveInLine** A board-playing game similar to Go-Moku, Ristinolla, etc. Fast-paced and quickly addictive! Includes source. Author: Njel Fisketjxn FF163

**Fix68010** A program which patches executables that fail to run on machines equipped with an M68010, so that they no longer use the prohibited privileged instructions. Binary only. Author: Gregor Brandt FF241

**FixCLI** A tiny pure command which fixes problems with CLI's not created by other CLI processes. A new CLI or Shell created by such programs as PopCLI or DMouse gets no path and no current directory. FixCLI very quickly and efficiently gives a path to a CLI that does not have one (it looks for other processes that have valid paths) and sets the current directory as specified if none is already set. Put it in your S:Shell-Startup script. Includes source. Author: Paul Kienitz FF429

**FixDate** Fixes future dates on all files on a disk, C program

in C source code and executable. AM1

**FixDisk** A program to recover as much as possible from a defective disk. It can sometimes recover damaged (unreadable) tracks, check file integrity, check the directory structure, undelete files, copy or show files, fix corrupted directory pointers, etc. Full intuition interface. This is version 1.2, an update to version 1.0 on disk 223. Binary only. Author: Werner Guenther FF403, FF223

**FixFd** A utility for Amiga assembly programmers. FixFd will read a '.FD' file and output a file that can be 'INCLUDE'd rather than having to link with the colossal 'Amiga.Lib'. V1.0, includes source in assembly. By Peter Wyspianski FF183

**FixHunk** A program to modify executable files to allow them to run in external memory. It forces all DATA and BSS hunks in the file to be loaded into CHIP memory. CODE hunks will still load into FAST ram if available. New features include an interactive mode to select where each DATA or BSS hunk will load into memory, support for overlays, support for AC BASIC compiled programs, and support for new hunk types as used by 'blink'. V2.1, binary only. By D.J. James FF197, FF36, AM17, AM16

**FixIcons** A program to scan through all files in a given volume or directory, looking for project icons and changing their default tools according to instructions given in a script file. Version 1.2, includes source. Author: Lars Clausen FF303

**FixObj** Strip extraneous garbage off the end of object files transferred with modem. Does not require pre-knowledge of actual file length, uses knowledge of Amiga file structure. Version 1.1 (update to copy on disk #10). Author: John Hodgson FF38, FF10, AM17, AM2

**FixWB** A program similar to 'DropCloth' (also on this disk), but not fully working yet. At least this one is provided in source, so you get your choice of a working one in binary or a nonworking one in source. Sigh. Author: Leo Schwab FF59

**FKKey** includes template for making paper to sit in the tray at the top of the Amiga keyboard. AM15

**FlamKey** Installs a little key on the WorkBench screen title bar, and then waits in background until somebody clicks on the key. When activated, allows the keyboard and mouse inputs to be locked out until a password is entered. Shareware, binary only. Author: Alex Livshits FF105

**FlashBack** Demo version of a new backup utility. Fully functional version except for the restore operation. Features include backup of multiple partitions in one pass, backup of non-AmigaDOS partitions, backup to a file, automated unattended backups, pattern matching, and streaming tape support. Version 2.05, binary only. Author: Leon Frenkel, Advanced Storage Systems FF447

**Flat** A filing system handler which implements block-mapped filing devices such as available under Unix. Read and write calls are mapped to low-level system IO operations which allow to treat devices such as df0, dh0, rad, etc. as big data files. These 'virtual' files can be copied, read and written just like any standard AmigaDOS file. It is even possible to copy a whole disk with the CLI 'Copy' command or to archive disks with LhArc and the like. Written as a supplement for the Amiga 'tar' program. Version 1.3, includes source in 'C'. Author: Olaf 'Olsen' Barthel FF535

**Flex** Flex is a replacement for the UNIX lex (lexical analyzer generator) program that is faster than lex, and freely redistributable. This is version 2.3, an update to the version on disk 156. Includes source. Authors: Jef Poskanzer, Vern Paxson, William Loftus, et. al. FF407, FF156

**FlightSim** A simple flight simulator AmigaBASIC program. AM9

**Flip** Allows you to quickly and easily switch between various screens. Can close screens, pull them up, and activate windows. Has the unique feature of sorting screens in a way that all title bars are visible at one time. This is version 2.0, binary only. Author: Lars Eggert FF390

**Flip** Another program in the long tradition of screen hacks. Run it and see what happens. Binary only. Author: Andreas Schildbach FF369

**Flip** Seems like Leo's gems have inspired lots of people. This one is quite cute also. Written in assembler, includes source. Author: Mike Berro FF66

**Flip** Very small program which replaces the left-Amiga-N and M commands with screen and window flipping commands. It's an excellent example of how to use PC-relative addressing within input handlers. Version 2.0, includes a technical discussion and source in C and assembly. Author: Mike Monaco and Timm Martin. FF437

**FlipIt** Possibly the strongest Reversi/Othello type game available. Shareware, binary only. Author: Adrian

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Millett FF512

**Flipper** A small, fast, Othello program. Does not use any look-ahead methods. Binary only. Author: Michael Sinz FF248

**FLODemo** Floorplan Construction Set demo. Fully functional except the Save IFF function is disabled and 15 pages of clip rooms have been replaced by a single sample page. This is version 1.48, binary only. Author: Jim Hennessey, Gramma Software FF452

**flood.c** Flood fill example. C program. AM4

**Flow2Troff** A little utility to convert from New Horizons Software 'FLOW' files to UNIX 'troff' files, suitable for printing on any troff-compatible laser printer. Version 1.0, includes source and a sample 'FLOW' file. Author: Daniel Barrett FF162

**Flute** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Fm** File mapper program. Uses track disk device to grab sectors and traverse the file system to find out what sectors a particular file occupies. Author: Leo Schwab FF36, AM15

**FMC** An alternative to the NoFastMem program. Uses a cute little switch gadget to turn fast memory on or off. Version 1.2, includes source in assembly code. Author: Roger Fischlin FF244

**FME** Patch to AllocMem() to allow badly designed programs which request fast mem without necessity to be run on 512k machines. Plus source in assembler. By: Holger Lubitz FF346

**Fme** Nicely done map editor for the Fire-Power (tm) game. Features interlaced hi-res with intuition interface. See the 'Readme.fn' file for information on making a bootable disk. Includes source. Author: Gregory MacKay FF148

**FMouse** A mouse pointer accelerator, similar to Matt Dillon's DMouse. Includes a screen blanker and 'hot keys'. This is version 1.01. Includes source in assembly. Author: Roger Fischlin FF437

**FmsDisk** A file based trackdisk simulator, useful for creating a floppy-like partition on your hard disk (so you can diskcopy to a floppy) without actually having to create a special partition for it. Also useful for testing new filesystems and such. Supports up to 32 units, with either the old filesystem or the new fast filesystem. Includes source. Author: Matt Dillon FF294

**FncnKeys** Text file explains how to read function keys from AmigaBASIC. AM9

**FO** Fast Optimizer is a new optimizer for AmigaDOS disks. It can optimize one disk in less than 2 min, 30 sec. FO supports WorkBench or CLI modes and allows you to use unformatted disks as the destination. At least 1 Mb memory required. This is version v1.0. Includes some source in C. Author: Fabien Campagne. FF537

**FontConv** Converts Macintosh Postscript type 1 and type 3 fonts to the IBM Postscript type 1 and type 3 format. Also converts Macintosh bitmap screen fonts to the Adobe binary format (abf). Version 1.2, binary only. Author: Gary Knight FF528

**FontConvert** A printer font conversion program to convert standard Amiga fonts into a form suitable for downloading to a printer that supports user defined printer fonts. Version 1.0, includes source. Author: Olaf 'Olsen' Barthel FF393

**FontEditor** Does what the name implies, edits fonts. Author: Tim Robinson Author's suggested shareware donation: \$5 FF30

**FontList** Prints a list of the fonts in the FONTS: device to the printer. Prints name, available sizes and some text using the specified font. Includes source in Modula II. Author: Robert Brandner FF549

**Fonts** Several miscellaneous new fonts for your enjoyment. Author: (Several) FF81

**Foogol** Just what you've been waiting for, a foogol cross compiler for your Amiga that generates VAX assembly code. Now you can port all those Amiga foogol programs to your VAX! Seriously, foogol-IV is a tiny Algol like language and this is a compiler for it. Includes source. Author: Per Lindberg FF66

**Foreach** A simple but useful program that expands a wild card file specification and then invokes the specified command once per expanded filename, with the expanded filename as the command argument. Includes source. Author: Jonas Flygare FF138

**Form** File formatting program through the printer driver to select print styles. AM15

**Format** A replacement for the Workbench 2.x 'Format' command with many additional features and a basic gadtools interface. Can be made resident and sports a number of additional command line options. Also included is a code fragment which will correctly initialize data media of any size (floppy disks or hard disk partitions) which works both under Kickstart 1.2/1.3 and 2.x. Version 1.1, includes source in 'C' and assembly language. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**Formatter** A faster and more user friendly floppy disk formatter that is also an example of how to format Amiga file systems in general and get AmigaDOS to accept them. Formatting without verify takes about 50 seconds, with verify takes about 100 seconds. Version 2.7, includes source. Author: Olaf Barthel FF398, FF377

**Formulae** An implementation of basic propositional formulae manipulation routines in Scheme (Scheme is available on disk 149). Uses only essential procedures so it should run under any Scheme. Includes source in Scheme. Author: Gauthier Groult and Bertrand Lecun FF316

**Fortune** Randomly display a 'fortune' selected from a fortunes file (supplied), by text or voice. The 'fortunes' file is easily modified or added to by the user, using any text editor. New version will work from the Workbench or CLI. Version 2.04g, update to version on FF311, source included. Author: George Kerber FF369, FF311

**Fpic** Fpic is an image processing program, designed specifically to be used in conjunction with digitized (Digi-View) lo-res black & white IFF picture files. Provides several filters, including average, binary (threshold), clipblit, cross, Sobel, Roberts, pixelize, sharpen, and a user defined matrix. Also supports merging of two images, histogram, image compare, and remapping. Binary only. Author: Bob Bush FF71, AM20

**FracBlank** A commodities screen blanker written for AmigaOS release 2.x. When running will blank the screen and start to draw real plane fractals such as described in the September 1986 issue of Scientific American. The resulting images may remind you of spiders' webs, lace or even the Chladnian patterns formed by grains of sand strewn across a vibrating surface. Version 1.4, includes source in 'C' and assembly language. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**FracGen** A fractal generator program that generates fractal pictures from 'seeds' that you create. This is unlike any of the other 'fractal generators' I've seen. It can be used to load and display previously created fractal pictures, modify existing fractals, or create your own fractals. V 1.23, binary only, update to FF142. By Doug Houck FF188, FF142

**Fractal** A fractal program which produces a random square fractal terrain. Author: John Olsen FF52

**fractal** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**FractalLab** Investigate the realm of fractals and allow your imagination to run wild. Virtually an unlimited number of these self-similar curves can be created with FractalLab. Includes several interesting samples. Version 1.0, binary only. Author: Terry Gintz FF391

**Fractals** A fractal generator that generates many different types of fractals based on the iteration of complex-valued formulas. The program can generate the Mandelbrot and Julia sets, as well as the sets of more unusual formulas such as lambda^bda^COS(Z) and Newton-R. Version 2.1, includes source and some sample creations. Author: Ronnie Johansson. FF371

**Fractals** draws great fractal seascapes and mountainscapes. AM15

**Fractals Part I:** An introduction to the basics of fractals with examples in AmigaBASIC, True BASIC, and C. Author: Paul Castonguay AC2

**Fractals Part II** : Part II on fractals and graphics on the Amiga in AmigaBASIC and True BASIC. Author: Paul Castonguay AC4

**Fractals: Part III:** AmigaBASIC code that shows you how to save/load pictures to disk. Author: Paul Castonguay AC6

**Frag** Two CLI utilities that show disk and file fragmentation on AmigaDOS floppies. Includes source. By: David Gay FF278

**FragIt** A dynamic memory thrasher for the Amiga. FragIt randomly allocates and deallocates pseudo-random size values of memory, ranging from 16 bytes to 50000 bytes by default. The result is an allocation nightmare, thousands of memory fragments are being created and destroyed continuously. This puts stress on the memory allocation routines of an application undergoing testing by simulating a very busy, highly fragmented memory environment. This is version 2.0, featuring many bug fixes, a full intuition interface, configuration settings via the icon, and more. Includes source. Author: Justin V. McCormick FF243

**FragS** Reports the number of free blocks of size 2^(n-1) to 2^(n)-1 for n up to 24 (blocks of max size 16Mb-1). Translation: Gives you some idea of how fragmented your free memory is. Includes source. Author: Mike Meyer FF69

**Free** A little command to put in your c directory that returns memory status and number of tasks currently served by EXEC. Includes source. Author: Joerg Anslirk

FF159, FF66

**Free** Display how much free space (bytes or blocks) you have on any or all of your mounted disk volumes. Runs from CLI only. Based on 'Free' by Tom Smythe on Fish Disk 66, but totally rewritten and enhanced. Version 1.01, includes source. Author: Daniel Jay Barrett FF388

**FreeCopy** FreeCopy is unlike most copiers in that it does not actually copy disks. It removes the protection so disks can easily be backed up with almost any program, and in some cases be installed on your hard drive. Version 1.4, binary only. Author: Greg Pringle FF498

**freedraw** A small 'paint' type program. Free drawing, boxes, filled boxes, etc. Author: Rick Ross FF1, AM1

**freemap** Creates a visual diagram of free memory. Comes with custom icon so can be run from workbench screen. Author: Robert J. Mical FF5, AM4

**FreePaint** A freely redistributable painting program, much like the popular DPaint program. Version 35z, binary only. Author: Stefan G. Boldorf FF548

**FReq** A general purpose file requester, which was designed to be easy to use and fast, with a built-in ARexx port allowing you to use it from ARexx scripts or applications with ARexx ports. Version 1.0, binary only. Author: Jeffrey D. Wahaus FF308

**Friends** Cute little screen hack with command-line options to keep your mouse pointer company when you step away. Includes source. Author: Michael Warner FF161

**fscape** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**FTOHEX** Part of DASM used to convert a DASM executable into an intel-hex formatted ascii file. FF168 & 169

**fullfunc.txt** List of #defines, macros, functions. C program. AM4

**FullReset** A program to get rid of all viruses, vector modifying programs, and residents, by forcing a specific reset. Binary only. Author: Jurgen Klein FF283

**FullView** A text viewer that uses gadgets at the bottom of the screen (thus can display text 80 columns wide), opens up to the full height of the Workbench screen, has fast scrolling, and can work with files compressed by PowerPacker. Also shows IFF pictures. This is version 2.02, an update to version 1.1 on disk 287, binary only. Author: Jonathan Potter FF412, FF287, FF242

**FullWindow** Resizes any CLI window using only CLI commands. Executable program and documentation. AM18

**Fully Utilizing the 68881 Math Coprocessor Part III:** Timings and Turbo-Pixel Function. Author: Read Predmore. AC11

**FunBut** Lets a function key act like a rapid series of left mouse button events. AM26

**FuncKey** A shareware function key editor, submitted by the author for inclusion in the library. This is version 1.1, an update to the version on disk 89. Binary only (source available from author). Author: Anson Mah FF106, FF89

**FuncLib** A program that allows you to add or remove rexx function libraries. Author: Jeff Glat, Dissidents Software FF393

**Function Evaluator:** A program that accepts mathematical functions and evaluates them. Written in C. By Randy Finch AC6

**Funds** AmigaBASIC program to track the prices of mutual funds or stocks. Includes source. Author: Bill Strack FF74

**Furnish** For those of you who may have ever used the 'scale size cut and place' method of determining your next living-room arrangement, this Amiga-ized version may be just what you need. Binary only, shareware. Author: Terry Gintz FF175

**gad** 'Fun with Gadgets'. Demonstration program for use of gadgets. Author: John Draper (aka 'crunch') FF1

**GadgetED** A program for creating and editing intuition gadgets. Includes a palette editor, generation of either C or assembly source, and binary saving for later loading and editing. Also comes with PatchGE, a program for converting the original format of GadgetED binaries to be loadable by this and future versions. Version 2.3, an update to version 2.0 on disk 438, includes source. Author: Jan van den Baard FF475, FF438

**Gadgets** Bryan Catley's AmigaBASIC tutorial. Source code and documentation. AM19

**Gadgets** Tutorial on gadgets from J. Draper. AM2

**GamePort** A toolkit with link time and shared libraries that allow easy access to the GamePort device. Includes examples and test programs. Version 1.1, binary only. Author: Paris Bingham FF446

**gameport** Text, game port spec. AM5

**Garden** makes fractal gardenscapes. AM22

**Garfield** Garfield in LoRes FF72

**Garylcons** A collection of more interesting and useful

# Freely Redistributable Software

**icons.** Author: Gary Roseman FF190

**Gauge** Continuously displays memory usage in a vertical bar graph, similar to the workbench 'fuel gauge' type display for disk space. Binary only. Author: Peter da Silva FF111

**gbox** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**GDDiskDrive** Text instructions to make your own 5 1/4 drive. AM8

**GearCalc** A bicycle gear ratio calculator. Version 2.0, binary only. Author: Ed Bacon FF514

**Gears** A program to calculate and display the gears of a multispeed bicycle. Works for bicycles with 3 to 21 gear combinations. Version 1.1, includes source. By Joel Swank FF304

**Gels In MultiForth Parts I & II:** Learn how to use Gels in MultiForth. Author: John Bushakra AC1

**Gels in Multi-Forth-Part 3:** The third and final part on using Gels in Forth. Author: John Bushakra AC5

**gettools.c** Tools for VSpites and BOBs. C program. AM4

**GeminiStar-10** Printer driver for the GeminiStar-10. AM9

**Gen** Program indexes and retrieves C structures and variables declared in the Amiga include file system. AM16

**Genesis** A uniquely flexible and powerful program for generating and rendering fractal landscapes. Original algorithms allow incorporating fractal rivers as integral parts of the landscapes, with natural looking river valleys, gulleys, waterfalls, and lakes. A number of parameters can be varied to modify the landscape construction process and change the character of the final landscape, there is also great flexibility in the rendering. This is a demo version of the commercial product by the same name available from Microillusions and has some features disabled. Binary only. Author: James M. Bardeen FF501

**GeoTime** A couple of interesting 'clock' type programs based on the 'Geochron'. Observe the earth's shadow scroll across a map or globe in real-time, based on the system clock. V1.0, binary only, shareware. By Mike Smithwick FF180

**GetDisks** Sample program to find all available disk device names and return them as a simple exec list. The list is made of named nodes, with the name being the device name. By Phillip Lindsay FF56

**GetFile** A very nice filename requester with source code. By Charlie Heath FF41

**GetImage** An enhanced version of 'gi' from disk 14. It now looks for the GRAB marker, in the brush file, instead of assuming that it is at a specific place, sets up the PlanePick value in the Image structure, and deletes any unused bitplanes to save memory and disk space. Includes source. Author: Mike Farren, enhancements by Chuck Brand FF345

**Getsprite** A simple little program to convert Dpaint brushes into C-source. Binary only. Author: Michael Warner FF161

**Getting to the Point:** Custom Intuition pointers in AmigaBASIC. Author: Robert D'Asio AC10

**GetVolume** Sample program to get the volume name of the volume that a given file resides on. Works on any device, even the RAM: device. Author: Chuck McManis FF56

**gfxmem** An updated version of the graphical memory display program first released on FF1. Watch your machine's memory usage change dynamically under use! Author: Louis Mamakos FF14, FF1, AM4, AM1

**gi** Converts DPaint brush files to C source files 'necessary to create an Image structure, including height, width, depth, and color information, as well as the array of data which represents the bit planes of the image'. Author: Mike Farren FF14

**GIFMachine** A program that will convert CompuServe GIF image files into IFF SHAM and 24bit ILBMs. It offers a number of extra options like dithering, horizontal and vertical flip, as well as automatic border removal. Requires KickStart version 2.0 or greater to run. This is version 2.137, an update to version 2.116 on disk 458. Includes source. Author: Christopher Wichura FF541, FF458, FF405

**Glat's Gadgets:** Using gadgets in Assembly language. Author: Geoff Glatt AC6

**Glib** A textscreen oriented librarian and editor for synths. Supports the TX81Z, DX100, DEPS, DW8000, and K-5. Includes source. By Tim Thompson, Steve Falco, and Alan Bland FF228

**GlobeDemo** A graphics demo which displays very smooth transitions of the rotating earth. Features a pop-up menu. Includes source. Author: Bob Corwin FF151

**Globulus** Demo version of a new arcade game that is reminiscent of the old Q-bert game. You control a cute little character and hop him around pathways in a diagonal kind of world, while trying to avoid bad things and catch good things. Binary only. Author: Innerprise FF449

**GMC** A console handler with command line editing and function key support. GMC provides extended command line editing, function key assignment in four levels, extended command line history, online help for functions in the handler, and an iconify function. Also includes an output buffer (dump to printer and window), filename completer, script function, undo function, prompt beeper, pathname in window title, close gadget for KS 2.0, etc. This is version 9.8, an update to version 9.6 on disk 398. Shareware, binary only. Author: Goetz Mueller FF434, FF398, FF387, FF291

**GnuAwk** GNU awk is the GNU Project's implementation of the AWK programming language. It conforms to the definition and description of the language in The AWK Programming Language, by Aho, Kernighan, and Weinberger, with the additional features defined in the System V Release 4 version of UNIX awk. Version 2.10 beta, includes source. Author: Paul Rubin, Jay Fenlason, Arnold Robbins, et al. FF406

**GnuGrep** The grep program from the GNU project. Replaces grep fgrep, egrep, and bmgrep. This is an update to version 1.5 on disk 295 and now handles AmigaDOS style wildcard specifications. Includes source. Author: Many (see README file) FF406, FF295, FF204

**GNUPlot** An interactive function and data plotting program which supports a great number of output devices. Includes extensive on-line help. Version 2.0, patch level 2. Includes full source along with diffs and patch program to generate Amiga version. Author: Thomas Williams, Colin Kelley, Carsten Steger, Russell Lang, Dave Kotz, John Campbell FF526

**Go64** Another screen hack aimed at an earlier Commodore product (Not to be confused with the commercial product Go-64! from Software Insight Systems). With source. By Joerg Anslirk FF156

**GodsDemo** Playable demo of a very popular European game. Author: Bitmap Brothers FF496

**Gomf** Gomf stands for 'Get Outta My Face', a phrase many a programmer has mumbled when a Guru alert appears unexpectedly. This interesting little program can generally make the Guru go away and allow you to clean up and shutdown more cleanly. Version 1.0, binary only. Author: Christian Johnsen FF95

**gomoku** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM3

**gothic** Gothic banner printer. Prints DOWN the page, rather than across, so arbitrarily long banners can be created. Send EOF (CTRL-^) to end input. From a Decus C distribution several years ago. FF3

**GoWB** Very small (296 bytes) and effective replacement for the well known "LoadWB" and "EndCLI" command pair. This release fixes a severe bug in the first version which used to guru if run out of a script. With source in C. By Oliver Wagner FF346

**GPrint** A black & white graphics print utility for Epson compatible printers. Command-line options allow several different print qualities and densities. Includes a couple of sample IFF files for printing. V2.03, binary only, shareware. By Peter Cherna FF180

**Graffiti** Demo version of an art program, with a feature set somewhat less than DPaint but more than many other such programs. Has a few special functions included like autoscrolling, converting screens to other resolutions, changing RGB values of the whole screen, fast autoscrolling magnifier and many others. Version 1.01, binary only. Author: Marcus Schiesser FF531

**Grammars** A group of lexical grammar files for Ada, C and Pascal for use in conjunction with the flex program on this disk and the bison program on FF 155 By various authors, submitted by William Loftus FF156

**Graph** A program that draws mathematical functions on a plane. Text and axes may be added, and the result saved to disk or printed. Uses a full Intuition interface with multiple windows (one per graph), requesters, etc. V1.0, with source. By David Gay FF280

**Graph** Function graphing programs. AmigaBASIC Program. AM3

**graphics.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**GraphicsPak** A set of functions for general graphics operations such as boxes/lines, blitting, and opening/closing the libraries. It is used by both of the PopMenu and ListWindow test programs. Includes source. Author: Paul Thomas Miller FF368

**GraphIt** A program to plot most simple functions in 2 or 3 dimensions, as well as 2d parametric equations in term of t. Includes source. Author: Flynn Fishman FF97

**Gravity** A program which simulates the movements of astronomical objects under the influence of gravity. For example, you can simulate the solar system or

two stars circling around each other. Version 1.0, binary only. Author: Guido Burkard FF422

**gravity** Sci Amer Jan 86 gravitation graphic simulation. In C source code and executable. Documentation included. AM13

**Gravity-Well** A celestial motion simulator that simulates the motion of up to twenty bodies in a Newtonian universe. The view of the simulation may be scaled, rotated in three dimensions or repositioned. Includes source. Author: Gary Teachout FF250

**GravityWars** The object of this game is for one player to hit the other player's ship with a missile, before being hit yourself. The ships and planets don't move, but aiming the missile in the presence of gravity fields and black holes makes hitting your target difficult. Version 2.0, shareware, binary only. This is an update to the version on FF84. Author: Ed Bartz FF105, FF84, FF70

**GravSim** A program to animate up to 6 planetary masses, all of which exert a mutual gravitational force on each other. The planetary masses can be placed anywhere on the screen, and their mass and initial velocity can be determined by the user. The program then steps the animation through time, plotting and displaying the new position in the trajectory of each mass. V1.50, includes source. Author: Richard Frost FF223

**GreekFont** A 12 point font with Greek letters. Version 1.0. Author: Daniel Moosbrugger FF474

**grep** Decus grep (Get Regular Expression and Print). Useful for finding strings in files. Author: Unknown FF4, AM1

**Grids** Draw sound waveforms, and hear them played. AM15

**Guardian** Another virus diagnosing and vaccination program. Recognizes any non-standard bootblock. Includes a small utility program to permanently place the program on a copy of your kickstart disk in place of the seldom (if ever!) used Debug() function. Binary only. Author: Leonardo Fei FF154, AM25

**Guru** Guru fantasy in LoRes FF72

**Guru Handy** 'guru' number interpreter (well, handy after reboot anyway!). Tells you what '81000009' means, for example. CLI usage only. Standalone image with readme file. Source code included. Author: Mike Haas FF239, AM25

**GuruMed** Text file explains the Guru numbers. This is an older file. AM8

**GurusGuide** The source files for all examples published in the 'Guru's Guide, Meditation #1: Interrupts' by Carl Sassenrath, the architect of the Amiga's low-level multitasking operating system and designer of Exec. Author: Carl Sassenrath FF203

**Gwin** GWIN or Graphics WINdow is an integrated collection of graphics routines callable from C. These routines make it easy to create sophisticated graphics programs in the C environment. One line calls give you a custom screen (ten types available), menu items, requestors, text, circles, polygons, etc. GWIN is a two dimensional floating point graphics system with conversion between world and screen coordinates. GWIN includes built in clipping that may be turned off for speed. Use of color and XOR operations are greatly simplified. Many examples of the use of GWIN are included in an examples directory, including a line/bar graph program, geographic mapping program, SPICE 2G.6 graphics post processor, and others. Extensive documentation is included. This is version 1.1, an update to version 1.0 on disk 322, recompiled to be compatible with MANX Aztec C Release 5. Author: Howard C. Anderson. FF433, FF322

**GwPrint** An intuition-based text file print utility. Offers a wide selection of adjustable features for controlling pagination, headers, trailers, margins, date and page-numbering and various print styles/sizes. Version 2.0, binary only, shareware. Author: Gaylan Wallis FF367

**H2I** Translates C include files into assembler include files. Useful for programmers that use both C and assembler code in the same program. Helps to keep the structure definitions consistent. Version 1.1, shareware, binary only. Author: Goetz Mueller FF387

**H2J** Converts 'C' style 'h' include files to JForth style 'j' files. Useful when developing interfaces to new Amiga libraries like ARP, etc. Standalone image and source code. By Phil Burk FF239

**Hack** This disk contains a port of the popular UNIX game 'Hack', done by John Toebes and the crew at the Software Distillery. This is version 1.0.3D. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using a command of the form 'copy df0: to df1: all'. This insures that disk fragmentation is kept to a minimum, but also has the unfortunate side-effect that all the file dates are changed. Note that this disk must be named 'Hack\_Game'. I have elected to keep that name, rather than using the usual 'AmigaLibDiskXX' convention for disks in my library,

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to avoid requiring users to rename the disk before using it. Fred. Released April 11, 1987 FF62, FF25, FF8&FF7

**HackBench** HackBench provides the source for a WorkBench-like program, for experimentation and validation of new interface ideas. It is not intended to be an actual WorkBench replacement. Author: Bill Kinnersley FF96

**HackerSn** Text file explains how to win the game 'hacker'. AM9

**HackLite** This is the latest version the Amiga port of Hack, with lots of Amiga specific enhancements and neat graphics. Now includes an easy to use installation program. This is HackLite V1.0.0, binary only. By Software Distillery FF187

**HagenDemos** Joel Hagen's Badge Killer Demo contest entries, 'RGB' and 'Focus'. RGB was the overall winner of the contest. It requires one meg Amiga. Binary only. By: Joel Hagen FF112

**haiku** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**hal9000m** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**halfbrite** Sample program that demonstrates 'Extra-Half-Brite' mode on latter AMIGA's with new VLSI chip. Allows 64 colors in low-res mode, rather than 32. Posted to usenet by Robert Pariseau. FF1, AM1

**halley** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Ham Bone:** A neat program that illustrates programming in HAM mode. Author: Robert D'Asto. AC9

**HAMCu** Installs a custom copper list for the current active view (usually workbench) that contains all the colours from 0x000 to 0xffff. A neat effect and an easy way to show off the color capabilities of the Amiga. With source by Jonathan Potter FF204

**Hames** Some miscellaneous programs from Chris Hames. DirWork V1.01 is a fast, small, simple efficient DirUtility. FSDrivers V1.3 is a floppy accelerator program. VMK V27 is a small virus detector/killer that knows about 27 different viruses and can detect new ones. NoInfo V1.0 stops programs from producing 'info' files. Binaries only. Author: Chris Hames FF328

**HamLabDemo** Demo version of an expandable image format conversion utility. Converts GIF, TIFF, PBMPPLUS, Spectrum 512, MTV, QRT, and Sun images into HAM and SHAM. Images can be scaled, dithered, color corrected, and cropped. This demo version is limited to processing images of 512 by 512 pixels or less. Version 1.1, shareware, binary only. Author: J. Edward Hanway FF466

**HAMmmm** This is Phil's entry for the Badge Killer Demo Contest. HAMmmm displays lines whose end points are bouncing around the screen, which is a double buffered HAM screen. The Y positions of the points are continuously copied into an audio wave form that is played on all four channels, and the pitch of a just intoned chord is derived from the average X position of these points. Includes source in JForth. Author: Phil Burk FF118

**HAMmmm2** Graphics hack that displays moving lines in a HAM screen for a hypnotic effect. Uses sound tools from HMSL, if available, for a drone sound that corresponds to the graphics image. Standalone image and source code. By: Phil Burk FF239

**HamPics** These are some of the most stunning digitized pictures yet for the Amiga. They were scanned at a resolution of 4096 by 2800 pixels, 36-bits per pixel, on an Eikonix 1435 slide scanner, cropped, gamma corrected, scaled, and converted to Amiga IFF HAM files. They are displayed with a special ILBM loader that handles overscan HAM images. Includes source for the display program. Author: Jonathan Hue FF196

**HAMpoly** A polygon drawing demo which uses HAM mode to produce polygons of any of the possible 4096 colors. Author: John Olsen FF52

**hand.** A program is also included for restoring the correct checksum of the Kickstart disk. AM25

**Handler** An example that implements an AmigaDOS Handler (device) in non-BCPL format. Author: Phillip Lindsay FF38

**Handling Gadget and Mouse IntuiEvents:** More gadgets in Assembly language. Author: Jeff Glatt. AC9

**Handshake** A full featured VT52/VT100/VT102/VT220 terminal emulator. The author has taken great pains to support the full VT102 spec. Supports ANSI colors, screen capture, XPR external protocols, user selectable fonts, ARexx, and more. This is version 2.20c, an update to version 2.12a on disk number 172. Binary only, shareware. Author: Eric Haberfellner FF449, FF172, FF60

**HandyIcons** Adds a menustrip to the WorkBench window that allows you to run selected Workbench Tools by

menu selection. Can be set up to provide custom environments. Current version supports only WorkBench Tools and not Projects. Binary. by: Alan Rubright FF148

**Hangman** A simple hangman program similar to one seen on some UNIX machines. Currently runs only from CLI. Includes source in C. Author: Gary Brant FF299

**Hanoi** Classical demo program for recursion. Solves the towers of hanoi problem in a workbench window of its own. Author: Ali Ozer FF54

**HappySong** A song created using the freely distributable program MED V.2.10. Player program included. Author: Alex Van Starrex FF401

**HardCopy** A neat little program that creates a hardcopy transcript of any CLI session (like the UNIX 'script' program). Includes source. Author: David Cervone FF75

**harp arpeggio** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Hash** Small example program that computes the AmigaDOS directory hash function. By Neil Katin at Commodore-Amiga FF20

**hauntedM** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Hawk** A stereo image of a hawk. Requires red/green stereo glasses to view. No documentation, author unknown. FF206

**HBHill** This animation is one of Kevin's entries to the Badge Killer Demo Contest. It is the first known animation that makes use of the Amiga's 'Extra Half Brite' mode. Author: Kevin Sullivan FF126

**HCC** Amiga port of Sozobon, Limited's C Compiler, version 2.0. Can completely compile itself, supports 32 bit ints, and optimizer can 'registerize' variables. Includes compiler, optimizer, tool for creating interface code for Amiga system calls, startup code, C library, include files, and library routines that work with Motorola FPP format. Uses assembler A68k, linker BLink, and provided run-time shared C library CCLib.library. Includes source. Author: Sozobon, Limited. Amiga port, bug fixes and enhancements by Detlef Wuerkner FF508

**Hd** Hex dump utility using some ideas from Mike Higgin's article in Computer Language magazine, Apr 86. Formats the dump based on the natural byte ordering of the machine on which it runs. Author: David Elins at NEC Information Systems FF20

**HDClick** A program selector, typically installed in the startup sequence as the first command. Has user defined gadgets, a configuration file, an iconify function, and works with both NTSC and PAL systems. This is version 1.21, binary only. Author: Claude Mueller FF439

**HdDriver** A complete driver for a WD-1002-05 hard disk controller card. This card can handle 3 hard disks and 4 floppies, but the driver currently only handles one hard disk. Includes source. Author: Alan Kent FF98

**HeadClean** This program, combined with a fibre cleaning disk, can be used to clean the heads on your disk drives. Source code examples of accessing the Trackdisk device, and using gadgets are included. Standalone image with source code. Shareware. Version 2.0. Author: Phil Burk FF239

**HeadGames** A 'Shoot-Em-Up' game done with SEUCK game constructor, featuring digitized heads as enemies. Binary only. Author: Neil Sorenson FF425

**Heart3D** A program to find left ventricle outlines in the output of an Imatron CT scanner, and display wireframe animations of the beating heart. Includes several sample CT scan outputs. Binary only. Author: Jonathan Harman FF236

**Hed** A handy little editor that is more user-friendly than 'Ed', yet doesn't require the memorization of complicated keystrokes of some of the larger, more powerful, editors. Binary only. Author: Hal Carter FF164

**HeliosMouse** Another 'sunmouse' type program. Automatically activates a window simply by moving the mouse pointer into the window. V1.1. Includes source. Author: Davide Cervone FF111, FF94

**hello** Demonstrates creation of a simple window, 'hello world'. Posted to usenet by Eric Lavitsky. FF1, AM3, AM4

**Helper** A little InputEvent hack, activated via the HELP key. Originally meant to provide a unique method of giving the user help (you don't have to put that help stuff into your own program). Now also contains a color requester and a small notepad. Version 1.01, with source. By Michael Balzer FF332

**Hex** A file-based binary file editor with lots of features. Version 1.0, shareware, binary only. Author: Nicola Salmoria FF517

**HexCalc** Nice little hex/oct/dec/bin calculator and converter. Binary only. Author: Scott Ross FF67

**HexDump** Modula-2 program to display memory locations in hexadecimal. AM26

**hidden** One of the many basic sample programs from Fred

Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**Hide** A small utility to allow you to run old or ill-written applications on systems with expansion RAM. When hide is running, all memory allocations take place in chip memory. Somehow, something like this missed making it onto my earlier disks. Binary only. Author: Francois Rouaix FF85

**High Octane Colors:** Use dithering in AmigaBASIC to get the appearance of many more colors. Author: Robert D'Asto AC5

**hilbert** An AmigaBASIC that draws Hilbert curves. AM11

**Hollywood** An easy to play trivia game with such subjects as M\*A\*S\*H, Star Trek (old and TNG), Indiana Jones, general television trivia, and more. Each topic contains fifty questions and a related picture. Each time you answer a question right, a small portion of the picture is added to the screen. Shareware, binary only. Author: FF423

**horse whinny** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Horse&Buggy** Hanson cab in an IFF picture. AM7

**Horses.pic** Horses in an IFF picture. AM6

**Household** Bryan Catley's AmigaBASIC household inventory program. In C source code and documentation. AM19

**Hp** A nice RPN calculator program that supports calculations with binary, octal, decimal, hex, float, and complex numbers. Other features include 32 registers for storing data and transcendental functions. Version 1.0, includes source By: Steve Bonner FF130

**Hp-10c** Program that mimics an HP-10c (Hewlett Packard calculator), in TDIModula2. By: Duncan Prindle FF38, AM18

**HP11** Emulates an HP11C calculator including the program mode. Features an ON/OFF button that turns the calculator into an icon that will sit and wait until you need it again. This is version 1.1, an update to FF153, and includes a few bug fixes and minor changes. Binary only. By: David Gay FF274, FF153

**HPMAM** A program to manipulate settings and fonts on HP Laserjet+ printers and compatibles. Includes an Intuition interface and some sample picture files. Version 1.0, binary only, shareware. Author: Steve Robb FF153

**HR136** An IFF file containing a chart showing every possible mixture of the sixteen basic palette colors. Also included are optimized and monochrome palettes along with several tips and techniques for using them with various paint programs. By Dick Bourne FF182

**HuePalette** An AmigaBASIC program which explains Hue, Saturation, & Intensity. AM9

**Humartia** An arcade game where each player controls a jet and must destroy the opponents jet, which is accomplished when a jet has been hit 75 by either missiles or air mines. Binary only. Author: Jason Bauer FF462

**HunkFunk** A program to disassemble any given AmigaDOS hunk file, which includes executables, linker libraries, linker object files, overlayed files, etc. Written as an exercise by the author to learn a few things about AmigaDOS hunk structures. Includes source. Author: Olaf Barthel FF398

**HunkPad** HunkPad pads an object file out to where it is exactly a multiple of 128 bytes, thus making it immune to having garbage appended on to the end of it by xmodem type file transfer protocols. Version 2, includes source. By J. Hamilton FF92, FF84

**HyperBase** Nice little shareware database management system. Version 1.6, binary only, source available from authors. Author: Michael MacKenzie, Marc Mengel, and Craig Norborg FF131, FF58

**HyperDialer** Database for names and addresses, full intuition interface. Dynamically allocated, with configurable script startup file. Iconifies to titlebar icon. Search, sort, insert, delete, full file requesters. Uses modem to control dialing of multiple phone numbers. Binary only, shareware, with source available from author. Author: David Plummer FF367

**HyperNet** A small hypertext shell program for Amiga, presented with sources and brief documents. It was also submitted by Glenn Everhart, the author. HyperNet allows a 'master' AmigaDos process to control a series of connected processes, where the connections are randomly ordered directed graphs. Permissible 'child' processes available at any stage are governed by the links of the graph. The implementation is mainly instructive, yet usable for tutorials or demonstrations and illustrates the simplicity of hypertext concepts on a multi-tasking system. FF176

**Hypno** A 'bouncing polygons' type program like Mackie, LineArt, and Bezier. Includes source in C. Author: Markus Schmidt FF297

**Hypocycloids** An electronic Spirograph inspired by an article in Feb '84 Byte Author: Terry Gintz FF27

**IBM2Amiga** Fast parallel cable transfers between an IBM

# Freely Redistributable Software

and an Amiga C program. AM1

**ICalc** An expression calculator that works with real and complex numbers, has arbitrarily-named variables and user-defined functions, startup files and more. Version 1.0, includes source. Author: Martin Scott FF472

**ICalc** An expression calculator with many powerful features, including user-defined functions and variables, many built-in functions, script files, and special looping constructs. Handles expressions involving both real and complex numbers. This is version 1.1, an update to version 1.0 on disk 472. Includes source. Author: Martin Scott FF550

**IceFrac** A fractal generator using the Diffusion Limited Aggregation algorithm, as described in the book *The Beauty of Fractal Images*. This is version 2.1 and includes source. Author: Lars Clausen FF303

**Icon** A high-level programming language with extensive facilities for processing strings and lists. Icon has several novel features, including expressions that may produce sequences of results, goal-directed evaluation that automatically searches for a successful result, and string scanning that allows operations on strings to be formulated at a high conceptual level. Icon resembles SNOBOL4 in its emphasis on high-level string processing and a design philosophy that allows ease of programming and short, concise programs. This is version 7.5 of the public domain implementation of Icon from the University of Arizona. Binary only. Author: Ralph Griswold, Clinton Jeffery, et. al. FF277, FF81

**Icon** A tool which patches Workbench 2.x online to supply default icons for about 45 different file types ranging from LhArc archives to object code files. Enhances the 'Show All Files' option of Workbench which by default only knows two types of file icons: Tool and Project. If enabled scans all files in a directory which do not have an icon file supplied and tries to determine their file types. When done, tricks Workbench into believing that there are proper icons for these files in the directory. Includes source in 'C' and assembly language. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**icon.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**Icon2C** A simple tool to turn any Workbench icon file into 'C' sourcecode, similar to the program of the same name by Carolyn Scheppner on disk number 56. This version has an arp interface and offers support for Kickstart 2.0 icons. Version 1.2, includes source. Author: Olaf Barthel FF377

**Icon2C** Reads an icon file and writes out a fragment of C code with the icon data structures, for inclusion in a larger program. Author: Carolyn Scheppner FF56

**Iconaholism** A selection of some very nice looking icons designed for an 8-color WorkBench. Includes script files to view the icons in their intended colors. Author: R.G.Tambash FF364

**IconAssembler** This program loads existing WorkBench icon files and allows you to change either the primary or alternate images to another image loaded from an IFF-brush file. Binary only. Author: Stefan Lindahl FF101

**IconExec** These two tools allow execution of a program from a SetWindow icon without having to recompile the program. Author: John Toebes VIII FF12, AM8

**Iconify** A subroutine that creates an icon on the Amiga screen that can be subsequently dragged around, and double-clicked on. You can use this to have your programs 'iconify' themselves to temporarily get out of the user's way. Includes source and demo program. Author: Leo Schwab FF126

**IconImage** Program to replace an old icon image with a new image, without affecting icontype, drawer data, etc. Includes source Author: Denis Green FF120

**Iconize** Reduces the size of IFF images, companion program, Recolor, remaps the palette colors of one picture to use the palette colors of another. Using these programs and a tool to convert IFF brushes to Workbench icons, make icons look like miniatures of the pictures. AM24

**Iconizer** A utility program that saves your current mouse pointer to a small icon. You can restore the pointer just by double-clicking on its icon. Allows for building a whole library of pointers and to use them whenever you want. Binary only. By Alex Livshits FF150

**IconJ** IconJ significantly enhances the IconX program, and is 100% compatible. It allows scripts to be executed by double-clicking the script's icon. Abilities include joining the script with the icon file itself, or calling it from any directory or disk, executing either AmigaDOS or ARExx scripts, outputting to any file or device, running interactive scripts and scripts that contain conditionals, and creating relative console windows. Includes a utility called AtatJ which attaches or detaches a script to/from an icon file. Version 1.0, includes source in JFForth. By: Rich Franzen FF321

**Iconmaker** makes icons for most programs. AM15

**Iconmerger** Intuition-based program to take any two brush files and merge them into an alternate-image type icon. V2.0, binary only. By Terry Gintz FF182

**IconMk** Iconmaker builds icons for files that were created without them. Version 1.2a, binary only. Author: Eric Levy FF71

**Icons** A bunch of 8-color icons for systems running AmigaDOS 2.0. Previously released 8-color icons from the author appeared on disk 213. Author: Wolf-Peter Dehnick FF533

**Icons** A large variety of icons for many uses, of practically every description. Most are animated. By: Bradley W. Schenck FF350

**Icons** Almost 300 icons in eight (!) colors. Uses a special program to get an eight color workbench to display these icons, which were made with DPaintII and IconGen. Most icons are miniatures of the main screen of their corresponding programs, or the picture they show, made with 'iconize' and 'recolor' from FF85. by: Wolf-Peter Dehnick FF213, FF151, FF124, FF82, FF71, FF67, FF44

**Icons** Two collections of high-quality, consistently designed icons for the Amiga Workbench. The color collections will require an 8 color Workbench (i.e. Workbench 2.0). The black and white collections are useable on any normal 4 color Workbench. One set of icons is based on the icons supplied with the GEM windowing system, and the other set is modeled after the icons on a Silicon Graphics Personal Iris. A bonus set of ray-traced icons is included. Author: Kenneth Jennings FF546

**IconTools** Here are some tools for icon tricks. Note that these tools are really hacks because they exploit some areas of the .info files that the current version of WorkBench does not clear or reset upon loading the icon. There are three programs here which allow WorkBench drawer windows to appear in non-standard colors and allow you to move the position of the file name text to anywhere in the icon's graphic. Released to the public in the hope that 1.4 will allow more flexible user customization of the WorkBench appearance. Includes source. Author: Stephen Vermeulen FF284

**IconType** Change the type of an icon after editing with IconEd. Types are Disk, Drawer, Tool, Project, Garbage, and Device. Includes source. Author: Larry Phillips FF69

**ID-Handler** An AmigaDOS device handler, that generates unique identifiers. Generates a new unique 16 digit decimal number each time it is opened by an application. Version 1.0, includes source. Author: Ed Puckett FF87

**IE** An icon editor which can create and modify icons up to 640x200 pixels in size (also dual render). It can set stack size, position of icon (also free-floating), default tool, 10 tool types and control over opened window. It can also generate the C source code behind the icon for program inclusion. Now reads/writes IFF files and handles 4 or 8 colour icons. Version 2.0, update to version on disk number 342, source available from author. Author: Peter Kiem FF377, FF342

**IFF** A program which converts sampled sound files from the Instruments dealer demo disks to IFF sampled sound files in a FORM 8SVX Author: Bobby Deen FF43

**IFF pictures** parodies of the covers of Amiga World and Amazing Computing magazines. AM16

**IFF** Routines to read and write IFF format files. Includes program to display IFF files made by DPaint. Also see the DPSlide program on disk 11. By Jerry Morrison, Steve Shaw, and Steve Hayes FF10

**IFF specs** This disk contains a number of files describing the IFF specification. These are not the latest and greatest files, but remain here for historical purposes. They include text files and C source examples. The latest IFF spec is elsewhere in this library. AM5

**Iff2Ansi** Turns any two-color low-res IFF picture into ANSI text that can be displayed on any ANSI compatible terminal. This is version 0.1, includes source in assembly. Author: Carnivore/Beer/Macht FF449

**Iff2C** Another IFF ILBM to C converter. Two unique features are the ability to generate comments representing the actual image, and the planepick computation. V 0.30 with source. Author: Gauthier Groult and Jean Michel Forgeas FF316

**Iff2Ex** A program to convert IFF pictures to an executable. It can handle NTSC/PAL, interlace and overscan. Version 1.0, binary only. Author: Pieter van Leuven FF331

**Iff2Pcs** An interactive puzzle program that takes any IFF file containing up to 16 colors, and breaks it up into squares to make a puzzle which the user can then piece back together again. Version 1.1 includes source. Author: Ali Ozer FF136, FF122

**Iff2Ps** A program to convert any IFF file to postscript for printing or viewing on a postscript compatible device

Version 1.2, binary only. Author: William Mason and Sam Paolucci FF94

**Iff2Src** A utility to convert IFF pictures or brushes to source (C or assembly). The bitplanes, mask, colormap and image are written to a file. You can convert multiple files at once. Supports new 2.0 Applcon windows (like IconEd). AmigaDOS 2.0 only. Version 1.0, binary only. Author: Jorrit Tyberghien FF420

**Iff2Sun** A small utility for those of you who may have access to a Sun workstation. Takes an Amiga IFF file and converts it to a Sun rasterfile format. Update to FF174, with better parsing, support for HAM mode, and some bug fixes. Source only, as the program needs to be re-compiled and run from a Sun. Authors: Steve Berry, Mark Thompson FF223, FF174

**Iffar** Maintains archives of Interchange File Format (IFF) FORM, AT and LIST files in a manner that complies with the IFFCAT specification. Version 1.2, with source. By Karl Lehenbauer FF162

**IFFBeep** A small utility that lets you replace the screen flash of DisplayBeep() with any IFF 8SVX sound file. Also plays sounds on disk insertion/removal. It can be run from the CLI or Workbench and includes an interactive control panel. Version 2.0, binary only. Author: Paul Wilkinson FF472

**IFFBrush2BOB** by Mike Swinger. AM14

**IffDump** Two programs for manipulating IFF files. IFFENCODER grabs an active screen and writes it to a file in IFF format. IFFDUMP decodes information in arbitrary IFF files and prints it in a human readable form. Author: Matt Dillon FF38

**IffLib** A ready-to-use library to perform various manipulations on IFF files. Includes a sample IFF viewer and a utility to save the front screen as an IFF file. This is version 16.1, an update to version 15.3 on disk 173, and includes a couple of bug fixes and some new features. Binary only. Author: Christian A. Weber FF301, FF173

**IFFM2** Demo version of an IFF support module for Interface Technologies M2Amiga Modula-2 system. Includes a version of ViewILBM (with source) that uses the IFF support routines. V1.0.0D, binary only. Author: Gregory Epley FF221

**IFFtoSUN** This program takes a standard IFF format image and translates it into a SUN rasterfile format, like the Iff2Sun program also on this disk. However, this one runs on the Amiga. V1.31, includes source. Author: Richard Frost FF223

**Ifs** An Iterated Function System viewer which graphically displays iterated function systems and allows the user to interactively create the affine functions that define such systems. An IFS can represent complex pictures very compactly. Simple IFSs can describe an infinite number of different and interesting fractal displays. Includes a number of displays that the author and others have discovered. Version 1.5, includes source in C. Author: Glen Fullmer FF321

**ILBM** The ilbm reader/writer library 0.5 and examples. Also can be used for non-ILBM files. 100% compatible with original Electronic Arts code. Binary only. Author: Jeff Glatt FF463

**ILBM2C** Very useful utility for C-programmers. Reads in a standard IFF ILBM file and outputs a file to be included in your program. Source plus a sample program. By Tim Kemp FF173

**ILBMLib** A shared library (ilbm.library) to read/write IFF files, derived from the EA IFF code, along with various enhancements. Version 0.3, a partial update to version on disk 348. Author: Jeff Glatt, Dissidents Software FF393, FF348, FF237

**Image-Ed** An icon editor that allows you to draw and edit images up to 150 by 90, in up to 16 colors. Allows freehand drawing, empty or filled rectangles, ellipses, triangles, lines curves, and polygons, copy, flip about x or y axis, stretching and condensing, flood fill and complement, text with selection and loading of font style, undo, magnified and normal sized images, and two active drawing screens at once. This is version 2.4, an update to version 2.2 on disk 242. Shareware, binary only, source available from author. Author: Jonathan Potter FF412, FF242, FF211, FF204, AM4

**ImageEditor** A simple to use graphics editor which allows you to draw and save images/sprites as assembler or C source code. Includes IFF support, undo, and an iconify function. Another feature is the small memory usage so you can use multitasking even on a 512K machine. Maximum picture size is 166\*58 pixels. This is version 2.4 and includes source. Author: Robert Junghans FF355

**ImageLab** A program which performs image processing on IFF pictures. Includes standard image processing functions such as convolution, averaging, smoothing, enhancement, histograms, FFT's, etc. Also includes file conversion functions, a clipboard, and other useful functions. Version 2.4, an update to version 2.2 on disk 243, includes bug fixes. PAL support,

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Last Minute Additions

overscanned and super-bitmap image support, improved paint operation, better area selection, HAM histograms, and FFTs. Binary only. Author: Gary Milliorn FF452, FF243

**images** Miscellaneous DPaint and digitized pictures, in IFF format. Some are rated R. FF12

**ImageTools** A set of shareware tools, submitted by the author, to do various manipulations on IFF images, including comparison of the color palettes of a pair of IFF images, filtering an IFF image in various ways, producing a color usage frequency chart for an IFF image, reducing the size of an IFF image to produce a miniature to use as an icon, converting an icon to an IFF image, and recoloring an IFF image using the palette of a second image, in a least squared error fashion. Shareware, binary only. Author: Stephen Vermeulen FF85

**IMandelVroom** A slightly modified version of Kevin Clague's mandelbrot program (on FF78) that uses his 'ring detector' to draw an approximation of the interior strange attractor contours. Binary only (with patches for original source). Author: Kevin Clague, enhancements by Howard Hull FF90

**ImLate** The White rabbit in HiRES color FF72

**Imperium** Strategic, RISK style game for up to four players. Based in the ancient times of Rome, Athens, Alexandria and Carthago. Binary only, shareware (\$10), Manx-C source available from the author. English version 1.66E and German version 1.79D. Update to version 1.50E on Disk 362. Author: Roland Richter FF474

**Imperium\_Romanum** Strategic, RISK style game for up to four players. Based in the ancient times of Rome, Athens, Alexandria and Carthago. Binary only, shareware (\$10), with C source available from the author. Version 1.50E. Author: Roland Richter FF362

**Imploder** Allows you to reduce the size of executable files while letting them retain full functionality. Uses efficient algorithms (both time and space) as well as taking into full consideration the complexity of the Amiga environment. Very well done. Version 3.1, binary only. Author: Peter Struijk and Albert J. Brouwer FF422

**Improving Graphics:** Improve the way your program looks no matter what screen it opens on. In C. Author: Richard Martin AC5

**Incr** Incr will easily allow the user to keep a total count of any event run from a batch file. Incr will take a number from a file, increment it by one and display the result. The new count is written back to the file. Version 1.04b, includes source. Author: George Kerber FF311

**IncrRev** A small program for a makefile or an lmkfile, to update revision numbers after each successful compile process. (Not related to but much more powerful than the increv program on disk 161 by Bryan Ford.) This is metal03, includes source in C. Author: Joerg Fenin / Version1worx FF536, FF161

**Indent** This is version 1.1 of GNU Indent, a C source code formatter/indenter. Especially useful for cleaning up inconsistently indented code. Includes source. Authors: Developed by the University of California, Berkeley, the University of Illinois, Urbana, and Sun Microsystems, Inc. GNU version by Jim Kingdom, Amiga port by Dan Riley. FF262

**Info** Replacement for the AmigaDOS info command. Includes source. Author: Chuck McManis FF79

**Ing** The next step in the 'boing wars'. Turns a nice screenful of little windows into a screen of lots of bouncing little windows. Cute! Author: Leo 'Bols Ewhac' Schwab FF54

**Input** A toolkit with link time and shared libraries that allow easy access to the Input device. Includes examples and test programs. Version 1.1, binary only. Author: Paris Bingham FF446

**Input** How to read keyboard input simply and quickly. Includes C source, a sample program, technical discussion, and programming modules that you can 'plug in' to your own C programs. Includes source. Author: Timm Martin. FF436

**input.dev** In combination with handler.interface.asm (supplied), lets a user trap keyboard or mouse events before they get to Intuition and if desired, install new (phony/ generated / other-devices-mouse-simulations) into the input stream. Handler.interface.asm is needed to convert the calling sequence performed by the input.task for the input stream management into something that a C program can understand. By Rob Peck 12/1/85 FF5, AM4

**inputdev.txt** Preliminary copy of the input device chapter. C program. AM4

**InputHandler** Example of making an input handler. AM16

**InputLock** An input handler to help Amiga users who have cats other pets (or children) that mess with the Amiga as soon as it is left for a second. It installs an input handler which lets you lock the keyboard and mouse by pressing a few buttons. Very small, uses only 190 bytes of memory. This is version 1.1, an

update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**Insta Sound:** Tapping the Amiga's sound from AmigaBASIC using the Wave command. Author: Greg Stringfellow AC3

**Install Drivers** A document describing the installation process for printer drivers. AM9

**Install Two Possible replacement versions of the standard install program** (to make a disk bootable). Includes source. Author: Bryce Nesbitt and Scott Turner FF87

**InstallBEEP** This program replaces the DisplayBEEP function so that an IFF 8SVX sound is played instead of the screen flashing. The PlayBEEP function runs as a task in the background and runs asynchronously so the length of the sound does not slow anything down. Includes a couple of sample sound files. Version 1.1, binary only. Author: Tim Friest and Don Withey FF217

**InstallLibs** A program to copy files to the LIBS: dir of a boot disk. Can be used to create a handy installation program (hard disks especially) for programs that need disk-based libraries. Includes source. By: Dissidents Software FF348

**Instruments** A collection of 25 instruments (from Cannon to Marimba) for playing and creating music. AM23

**Intoxicated** A nice little screen hack which affects the mouse. Saying any more would spoil the fun. Includes source. Author: Thomas Albers FF416

**IntuiDOS** IntuiDOS is a program to give improved control over, and handling of, the material on all diskettes in the 'CLL-area' by employing a multi-disk, scrollable directory and using Intuition techniques to issue DOS commands. Written in assembler. Binary only. Author: Lennart Sandin FF103

**IntuiFace** An intuition interface that handles the important functions of creating, inserting, extracting and listing files for three popular archiving utilities: ARC, ZOO and LHARC. Version 1.00, binary only, shareware. Author: Matthias Zepf FF366

**IntuiSup** A shared library which implements extensions to the Amiga operating system and graphical environment. Includes several example programs that make use of the library, including building a nifty file requester from the library's user interface routines. Version 1.15, binary only. Source available from author. By: Gauthier Groult FF316

**Intuition demo** An Intuition demo, in full C source, including files: demomenu.c, demomenu2.c, demoreq.c, getascii.c, idemo.c, idemo.guide, idemo.make, idemoall.h, nodos.c, and twxrite.c. AM4

**intuition.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**IntuitionEd** Intuition based utility that creates C source code for screen, window, border and text structures. IntuitionEd can also write the code for several functions required for the opening and closing of these structures. The code can then be compiled by either Manx and Lattice. Shareware donation to the author will receive an enhanced version capable of writing gadget structures as well. Version 1.0, binary only, several samples included. Author: Niels Thorwirth FF377

**IOBoard** Full plans for a public domain hardware project which adds two parallel ports and two serial ports to an Amiga 500, 1000, or 2000, for less than \$100, with the capability to upgrade to four ports of each type at any time. Includes serial and parallel drivers with source code. Version 2.10. Author: Jeff Lavin, Dan Babcock, Paul Coward FF520

**IPC** An IPC (Inter-Process Communication) package, with the goal of creating a standard for IPC on the Amiga that is flexible enough to handle the widest possible range of applications. The protocol used addresses different problem areas than ARexx, and emphasizes different aspects of the communication process, such as fast communication and preservation of data structure. Includes source. Author: Pete Goodeve and Peter da Silva FF290

**IPDevice** Pipes for Power People. A pipe-like DOS device that passes data immediately rather than waiting until a buffer is full. It also allows multiple writers to a single channel, maintained connections, and piped connections to a Shell. Binary only. Author: Pete Goodeve FF374

**IPo2C** A utility to write a C-language definition of the current intuition pointer to a file, which can then be used in a program via SetPointer to mimic the intuition pointer. Includes source. Author: Alex Livshits FF105

**IRA** Allows easy calculation of future values of investment. Enter the beginning investment value, annual percentage rate, annual deposit amount, and number of years, to compute the future value. Version 2.0, includes source. Author: Joel Swank FF304

**IRMaster** This is a hardware/software project to allow the Amiga to read an infrared remote control via the parallel port. Includes an ILBM of the schematic for a simple interface to the A1000 parallel port, some modifications are needed for other Amigas. The

source code and executable for a reader program are included. For further functionality modifications to the source can be performed. Author: Ron Peterson FF477

**Isam** A library of routines to access relational data base systems using the Index Sequential Access Method (ISAM). This is beta version 0.9, binary only. Author: Kai Oliver Ploog FF203

**ISpell** A quick and dirty port of a UNIX version of a freely distributable screen oriented, interactive, spelling checker. I use the UNIX version daily and it is very nice. You will need expansion RAM to run this with the supplied dictionary, as it loads the entire 300K hashed dictionary into memory. A hard disk is also recommended. Author: Pace Willisson FF54

**Ist68010** Text guide to installing a 68010 in your Amiga. AM9

**Ith** This program converts an icon to an IFF picture (brush) file. It handles both single and alternate image (animated) icons. This is version 1.10 which adds a colour palette to the previous version from disk 85. Version 1.10, binary only. Author: Stephen Vermeulen. FF326

**JAR** A shareware game (Jump And Run) using 3-D graphics. Your task is to collect the blue pills lying on the floors and steps, not to fall down or off the steps, and to avoid several monsters wandering about. You can collect various sorts of weapons to use against the monsters. Version 1.0, binary only, source available from author. Author: Andreas Ehrentraut FF242

**Jask** An intuition-based replacement for the ASK command. Will bring up a requester with a message and boolean yes/no type gadgets. Version 1.0, includes source. By John Barshinger FF177

**JayMinerSlides** These are the Amiga slides produced/ used by Jay Miner (the designer of Amiga's custom graphics chips) in his talks about the Amiga. They are all hi-res (640 x 400) and are best displayed on a long-persistence color monitor FF19

**JazzBench** A drop-in multitasking replacement for WorkBench. It has more features than WorkBench and is fully multitasking (no more waiting for ZZZ clouds). It allows you to extend it, add your own menus, key shortcuts, etc. This is alpha version 0.8, binary only. Author: David Navas FF228

**JeansIcons** Miscellaneous cute icons created for AMUC's monthly newsletter disk. Submitted by Stephen Vermeulen. Author: Steve Jeans FF137

**Jed** A nicely done, intuition-based editor that is quite user-friendly. Features word-wrap, auto-indent, newcli, alt buffer, split-window, keyboard macro, help, printing, and more. V1.1. Shareware, binary only. Author: Dan Burris FF297, FF180

**Jimmy** Disney's Jimmy The Cricketin HiRES color FF72

**Jive** program which transforms its standard input to 'jive' on its standard output. Author: Unknown FF46

**JMenu** This program allows an AmigaDOS script to display a menu, wait for the user to make a selection either with the mouse or the keyboard, and return the selection back to the script through an environment variable. It can also immediately execute any valid AmigaDOS command based upon the menu selection. The maximum size of the menu is based on the screen resolution and font size, up to a maximum of 26 selections of a maximum of 80 characters each and an optional title area of up to 4 lines. Version 1.1, binary only. Author: James Collins FF460

**Jobs** An alternate user interface to WorkBench or CLI. Version 2.1, binary only. Author: John Sawaya FF70

**join** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**Journal** Journal is a program that records a sequence of mouse and keyboard events as they occur and stores them in a file. The file can be played back with another program, also supplied, which causes the same sequence of events to occur again. Very useful for creating demonstrations of programs or documenting repeatable bugs. V1.0, binary only. By Davide Cervone FF95

**JoyLib** Both a linktime version and a shared library of joystick routines featuring a technique which proves to be extremely fast on 68010 or higher processors, and still faster than most of the other routines on standard processors. Includes source for library in Assembler and the demonstration program in C. Author: Oliver Wagner FF378

**JoyMouse** A simple program that allows you to use a joystick as a mouse. Binary only. Author: Jonathan Potter FF412

**joystick** Shows how to set up the gameport device as a joystick. Reports parameters received from joystick hooked to right port. Author: Rob Peck FF5, AM4

**Jpad** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

**JPClock** A short clock program that is just packed with



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features. This is version 1.2, an update to version on disk 204. Includes source. by: Jonathan Potter FF242, FF204

**JPDDirUtil** A directory-utilities type program with many built-in commands, and 16 customizable gadgets. User configurable in many ways. Can be iconified to Workbench screen. This is version 1.12, an update to version 1.11 on disk 287. Binary only. Author: Jonathan Potter FF412, FF287

**Jsh** A simple command line interpreter drawing on features from the BSD C shell. Author: Jim Kent FF38

**JTime** Detailed instructions, including schematics in IFF format, for building and installing a battery backed up real-time clock. The clock goes on the joystick port (aka mouse port 2). Author: Michael Keryan FF65

**Juggette** Some cute juggler animations from Eric Schwartz. Includes Juggette Anim, Juggette 2, and Juggler Demo 2. Author: Eric Schwartz FF413

**Juggler** Stunning animation of a robot juggler with ray traced reflective spheres. Uses HAM mode display and sound effects to boot! Version 1.2. Binary. By Eric Graham FF97, FF47, AM16

**Jumble** A quick 'brute force' program for solving for anagrams. Not very elegant, but gets the job done. Includes source. Author: Mike Groshart FF262

**JustBeeps** Simple example of using Audio and Timer devices. Plays a series of beeps whose pitches are based on a just intoned tuning system. Standalone image with source code. By: Phil Burk FF239

**K1** An editor program for the Kawai K1-II synthesizer. Includes a bankloader for single-patches and multi-patches, a single-patch editor, a multi-patch editor, and support for the effect-session and K1 controllers. Version 5.1, an update to version 4.8 on disk 481. Binary only. Author: Andreas Jung FF521, FF481

**K1\_Editor** An editor for the Kawai K1(m) synthesizer with two auxiliary programs for managing sound dumps. V 1.00, shareware, includes source. Author: Michael Balzer FF332

**Kamin** Various interpreters from the book "Programming Languages, An Interpreter-Based Approach", by Samuel N. Kamin. This distribution includes lisp, apl, scheme, sasl, clu, prolog, and smalltalk interpreters, automatically translated from Pascal to C using p2c. Includes C and Pascal source. Author: Samuel Kamin FF524

**KawaiEditor** A Kawai K4 editor (apparently some kind of midi based music synthesizer). Version 1.0, shareware, binary only. Author: Jan Saucke FF403

**Keep** A nice little utility program with an intuition interface for BBS and network junkies who download messages in one large file and then read them off-line. Using only the mouse, you can drive through such files a message at a time, examine each at your leisure and tag those you wish to keep. V1.2, binary only, but source available with donation to author. By Tim Grantham FF149, AM25

**kermit** This is an absolutely ancient kermit, who's only saving grace is it is small and quite portable. On the AMIGA, there is no connect mode, only send and receive. You must log into the remote machine via one of its local terminals and point its kermit at the appropriate serial line connected to the AMIGA. Author: Unknown, but it is so hacked up it doesn't matter. FF4, AM3

**keybd.c** Direct keyboard reading. C program. AM4

**KeyBird** BASIC prog edits keymaps, adjust the Workbench keymaps or create your own. AM25

**KeyBiz** This little hack will make you think you have mice scurrying around in the back of your computer. Includes source. Author: Mark Schretlen FF274

**Keyboard** Functions to translate RAWKEY Intuition messages into usable keycodes. Translation into Modula-2 of C source (by Fabbian G. Dufoe, III) on disk 291. Version 1.0. Includes source. Author: Fabbian G. Dufoe III, Peter Graham Evans FF344, FF291, FF5

**Keyboard Input In Assembly:** Fourth in a series of Assembly 68000 programming tutorials. Author: Jeff Glatt. AC12

**KeyCodes** Shows keycodes for a key you press in ABasic. AM1

**KeyFiler** A BBS message file sorter that allows sorting by keyword. Includes a textreader, Soundex matching, and limited wildcard capabilities. V1.0, Binary only. By John Motsinger FF157

**KeyLock** Freezes the keyboard and mouse until the correct password is typed. Protection against inquisitive kids, cats, and other lifeforms. Binary only. Author: Andry Rachmat FF81

**KeyMac** A keyboard macro processor that allows you to record keystrokes and then play them back. V0.1, Source in Modula-II. Author: Fridtjof Siebert FF253

**KeyMacro** A keyboard macro program, configurable via a text file, that also supports hotkey program execution. You can map up to eight functions to each key, including keys such as cursor keys, the return

key, etc. Version 1.12 with a number bug fixes and enhancements, an update to version 1.8 on disk 436. Includes source in 'C' and assembly language. Author: Olaf 'Olsen' Barthel FF535, FF436, FF398, FF354, FF325

**KeyMapEd** Allows you to change the KeyMaps used with SetMap. This is a full featured editor providing support for normal, string and dead keys. The keyboard represented is from an A3000/A2000/A500 but it is fully compatible with A1000 keyboards. This is version 1.1i, an update to version 1.02 on disk number 193, binary only. Author: Tim Friest FF388, FF193

**KeyMenu** Allows fast, easy access to pull-down menus from the keyboard without having to remember all the special amiga key sequences Version 1.01, binary only. Author: Rainer Salamon FF362

**KeyMenu** An alternative to Intuition's method of menu selection via the keyboard. Uses one key to activate the menu for the currently active window, the cursor keys to move through the menu as you choose, and the return key to select the desired menu item or escape key to abort selection. Works with AmigaDOS 2.0 mouse accelerator and has option to blank Intuition's pointer. Version 1.05, an update to version 1.03 on disk 470. Includes assembly source. Author: Ken Lowther FF528, FF470

**Kick** Another screen hack, specifically for A500/A2000 owners. I don't want to spoil any surprises but reportedly causes some machines to crash. Binary only. Author: Tony Solomon, Paul Fortin FF389

**KickBench** Instructions and programs for creating and using a combined KickStart and WorkBench disk, so only one disk is needed to reboot. Allows the system to reboot unattended after a power failure. Requires disk from developer's disk Author: Alonzo Garipey FF36

**KickDate** Saves and retrieves the current system date stamp to the first sector of the kickstart disk. This is handy for A1000 users with autobooting hard drives, since it can save the system time across system resets and power cycles. Version 1.0, includes source. Author: Joe Porkka FF408

**kickdrum** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**KickFont** For A-1000 owners, will permanently replace the topaz font on the kickstart disk with a font called 'look'. Includes a sample in the form of an IFF picture. V3.0, binary only. Also included is Benjamin Fuller's freely redistributable 'SumKick' program. By Greg Browne FF179

**KickMem** A program for A1000 hardware hackers that have done the Amazing Computing 512K upgrade. KickMem will patch your 1.2 or 1.3 kickstart disk to perform addmem during kickstart. This allows warm boot survivability of ram disk devices and eliminates addmem commands from your startup sequence. V2.0, includes source. Author: Dave Williams FF224

**Kill** Removes a task and as much of its resources as possible. Can close windows, unload process code, etc. Includes source. Author: George Musser FF79

**Kill.fastdir** Speed up directory access, it creates a small file in each directory on a disk which contains the information about the files, will also remove all the "fastdir" files from each directory. By CLImate's authors. AM25

**Killer** Killer is an incredible demo written by Robert Wilt. It won fourth place in the Badge Killer Demo Contest. Requires at least one meg of memory to run. Sound is also an important part of the demo so be sure to turn it up. Binary only. By Robert Wilt FF115

**KillReq** A small program which disables Intuition's AutoRequest function. In particular, this prevents AmigaDOS from putting up system requesters, which is useful if you are operating your Amiga remotely and can't use the mouse to click CANCEL. Unlike similar utilities which affect only a single CLI, KillReq disables ALL requesters. V1.0 and includes C source. By Eddy Carroll FF290

**KingTut** King Tut in an IFF picture. AM6

**Klide** This line art demo is Jerry's entry to the 1989 BADGE Killer Demo Contest, where it won 4th place. Klide uses line mode blitter code which is capable of rendering short vectors at a rate up to 15,000 lines/second. Binary only. By Jerry Kallaus FF268

**Klock** A menu-bar clock and date display. Executable AM9

**Klondike** A single player card game. Version 1.1c, binary only. Shareware. Author: Peter Wiseman FF491

**Koch Flakes:** Using the preprocessor to organize your programming. Author: Paul Castonguay AC11

**Kryptor** A small, simple and comfortable file encoder/decoder. Version 1.0, with source. By Michael Balzer FF332

**KwikBackUp** A harddisk backup program that writes data track by track onto multiple floppy disks. Uses the archive bit, saves and restores comments and protec-

tion flags, and skips over bad spots during restore. Version 1.0, includes source in Modula-II. Author: Fridtjof Siebert FF234

**KwikCopy** A quick but nasty disk copy program: It ignores errors. Executable program. AM8

**L** is a replacement for the BCPL 'list' program, but with some graphics enhancements. FF105

**Label** Simple program to print labels with arbitrary text. Version 1.3, binary only, but source available from author. Author: Mike Hansen FF96

**Labeler** A label generation program for Epson compatible printers. Has both English and German versions. This is version 3.0, binary only, shareware, source available from author. Author: Siegfried Rings FF435

**LabelMaker** Allows you to create fancy, full sized, colored labels for 3.5" floppy disks. Version 1.5, includes source. Author: Stefan G. Boldorf FF548

**LabelPrint3.5** A program that allows you to easily print labels for your disks. This is version 3.5, an update to version 3.0 from FF277. Shareware, binary only (source available from author). Author: Andreas Krebs FF363, FF277, FF246, FF238, FF210

**Labels** Alphabetic and numeric ordered cross reference lists of defined system constants. Recommended for debugging purposes only, use the symbolic values in programs! Author: Olaf Seibert FF111

**LabyrinthII** A shareware role-playing text adventure game similar in operation to the Infocom text adventures. Includes source. Author: Russell Wallace FF162, AC5

**LaceWB** The LaceWB program changes between interlace and non-interlace Workbench. Previously, you were forced to reboot after changing Preferences to an interlaced screen. This program flips between the normal and extended screen heights. AM25

**LanderGame** Lander 3DX is an X-Specs 3D Lunar Lander game. Maneuver your landing craft over a three dimensional fractal lunar landscape searching for a safe place to land. Watch your fuel, altitude, and slope of the surface beneath you. Fly your craft over, around, and behind the lunar peaks. Digitized sound. Two alternate lunar scenery files included. Requires X-Specs 3D glasses. Spectacular. Binary only. Author: Richard Horne FF544

**LandScape** A simple CAD program to aid in designing garden layouts. First the plan is laid out, placing lawns, paths, plants, etc., and the program then draws a '3D' picture of what the garden might look like in real life, from any viewpoint. Version 1.0, binary only. Author: Steve Goddard FF521

**Larn** This disk contains a port of the popular UNIX game 'Larn', done by Edmund Burnette and the crew at the Software Distillery. This is version 12.0B. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using a command of the form 'copy df0: to df1: all'. This insures that disk fragmentation is kept to a minimum, but also has the unfortunate side-effect that all the file dates are changed. Note that this disk must be named 'Larn'. I have elected to keep that name, rather than using the usual 'AmigaLibDiskXX' convention for disks in my library, to avoid requiring users to rename the disk before using it. Also note that, as distributed, this disk is only about 40% full. Normally I try to fill my library disks to about 90-95% full, but these 'packaged' disks are special. -Fred FF63

**LaserBoing** This ray-traced animation with sound is Mike's entry to the 1989 BADGE Killer Demo Contest. This 'Amiga Boing' ball is just loaded with energy! Binary only. By: Mike van der Sommen FF271

**Lat3.03bugs** Text file lists bugs of Lattice C version 3.03. AM8

**latftp** Shows how to access the Motorola Fast Floating Point library from Lattice C. Also demonstrates the tremendous speedup obtained Author: Larry Hildenbrand FF1

**LatticeMain** Text file tips on fixing \_main.c in Lattice. AM8

**LatticeXref** A cross reference listing of all symbols defined in the Lattice 3.10 header files. Sorted alphabetically by symbol string, includes file name and line number of all references and/or definitions. Author: Fred Fish FF41

**Launch** Sample program showing how you can load and execute a program in the workbench environment, then return to the CLI. Includes source. By Peter da Silva FF179

**Lav** A 'title bar type' program that displays the number of tasks in the Amiga's run queue, averaged over the last minute, 5 minutes, and 15 minutes. Presumably inspired by, and named after, the BSD 'load average' program. By William Rucklidge FF54

**layers** Shows use of the layers library, used by Intuition to create windows (layers handles all overlapping drawing areas and keeps things straight, sending to the back, bringing to the front, making larger/smaller, etc.) Au-

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thor: Rob Peck FF5

**layers.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**layeres.c** Layers examples. C program. AM4

**LBM2Image** Takes an IFF picture and generates a C source module which can be compiled and linked with your program to display the picture with the intuition DrawImage function. Binary only. by: Denis Green FF190

**LCDCalc** Probably the prettiest looking four founction (with memory) calculator ever written for the Amiga. Written in J-Forth. Version 1.023, binary only. Author: Mike Haas FF423

**ld** I presume this stands for 'list directory'. Lists contents of specified directory or disk, using inverse video and colors to group objects by type. Author: Dave Haynie FF10

**ld4** Another directory listing program using some graphics style output. Executable only, no source available. (Downloaded from a Denver BBS) Author: unknown FF12

**LedClock** An extremely simple clock program, for interlaced screens only. Includes source. Author: Ali Ozer FF128

**LeftyMouse** Swaps the functions of the left and right mouse buttons so that Lefties can use the mouse with their left hands. Includes source. Author: Rob Eisenhuth FF229

**LeftyMouse** Yet another LeftyMouse, this one implemented as a commodity. Swaps the left and right mousebutton for Lefties. Requires AmigaOS 2.0. This is version 1.04. Includes german version and source in C. Author: Stefan Sticht FF497

**Legends** Fantasy Characters in HiRES color FF72

**Leggo My LOGO:** A Logo program that generates a Christmas tree with decorations. Author: Mike Morrison. AC7

**Lemmings** Microemacs version 3.6 as enhanced and supported by Daniel Lawrence. This version works and has been tested on UNIX V7, BSD 4.2, Amiga, MS-DOS, and VMS. Enhancements include overwrite mode, support for Amiga function keys, reverse video status line, numeric arguments using <ESC><number>, replace, buffer specific editing modes, word wrap mode, goto-line, buffer rename, insert-file, execute named command, describe bindings, startup files, and more. Author: Dave Conroy, enhancements by Daniel Lawrence FF22

**Lemmings** Demo version of an enchanting new game from Psychonosis. The lemmings are cute little guys you have to guide across the screen from one level to the next, over and under and around various obstacles, by using your mouse and changing each lemming's characteristics to get them to perform various useful tasks such as building bridges or digging through obstacles. Binary only. Author: Dave Jones, Gary Timmons, Scott Johnston, and Brian Johnston FF453

**Lens** This program magnifies a small area surrounding the pointer and displays it in a separate window. Version 1.0, binary only Author: Ned Konz FF70

**Less** A text file reader, descended from Unix "Less." Less has features found on no other Amiga file reader; it can use pipes, accepts multiple filenames, and has many convenient positioning commands for forward and backward movement, marking positions, etc. This version runs on all Amigas, under any screen resolution and font, and uses the full 8-bit character set. Other improvements include seaches using regular expressions, multiple file selection from Workbench, and resident operation. This is version 1.4Z, an update to version 1.3 on disk 149. Includes source. Author: Ray Zarleng et al. FF511, FF149, FF92, FF74, FF34

**Lex** A program (not to be confused with the UNIX lex program which is a lexical analyzer generator) which computes various readability metrics for text files. Computes Gunning-Fog, Flesch, and Kincaid indices. Author: Jeff Sullivan FF36

**Lexical** Analyzes a text file and gives the Gunning-Fog, Flesch, and Kincaid indices which measure readability. AM26

**LGZ** A Map generator/editor for the LGZ game. Not extremely useful if you don't happen to play that game, but good source example of intuition interfacing. Vesion 0.1. Authors: Lars and Henrik Clausen FF161

**LHArc** An archive program like Arc and Zoo, with a heavy emphasis maximum compression for minimum archive size, using LZHUF compression. This is version 1.30, an update to version 1.21 on disk 383. Binary only. Author: Paolo Zibetti FF404, FF383, FF312, FF289

**LhArcA** An intuitionized and faster version of lharc for the Amiga. Requires ARP library. Version 0.99a, binary only. By Haruyasu Yoshizaki, Amiga version by Stefan Boberg FF331

**LHCon** A program that will convert Arc and Zoo formatted archives to LHArc format. This will save precious disk space. LHCon will do single files or entire directories. It also has the capability to preserve the comment field of the file for BBS programs that require it and for the individuals who label their programs in that manner. Version 1.01. Binary only. Author: Steve Robbins and Bill Huff FF507

**LhLib** A shared reentrant Amiga runtime library featuring highly optimized assembly language versions of the LhArc data compression / decompression routines. Compresses faster and more efficiently than any other currently available implementation of the Lzhuf algorithm. Two example applications for data compression / decompression, an interface to the Amiga Oberon Compiler, and documentation how to use the library in your own programs are included. This is version 1.8, binary only. Authors: Holger P. Krekel and Olaf 'Olsen' Barthel FF436

**Lhwarp** A program which will read tracks directly from your floppy disk, compress them using adaptive huffman encoding, and output them to a file. The resulting file can be used by lhwarp to reconstruct an image of the original disk. This is version 1.20. New features include much faster compression / decompression, a 32-bit CRC, and two additional compression methods. Binary only. Author: Jonathan Forbes FF305, FF245

**LibDir** This program lists hunks in an object file. Executable program and documentation. AM8

**Library** Demo version of a shareware program that stores textual information without regard to structure or content, and allows complicated searching for specific patterns. Written in assembler for speed, binary only. Author: Bill Brownson FF134

**Library** HiRES BW picture of an traditional structure FF72

**LibraryKiller** A small utility that allows you to remove libraries that aren't used any more. Version 1.0, includes source in assembly. Author: Roger Fischlin FF383

**LIBREF** Utility for generating run-time library link library assembly files, lvo.asm, and the run-time library's vector list. Currently very Aztec in terms of what it generates. FF168 & 169

**LIBS V1.00** List libraries / devices in ram or attempt to remove libraries. FF168 & 169

**LibTool** A utility that can quickly convert C or assembly code into an Amiga shared library. Also makes all support files including C and assembly include files, bmap files, Manx and Lattice programs, C glue stubs. Can also make a device. Binary only. Author: Jeff Glatt FF463, FF393

**License** License information on Workbench distribution. AM4

**Life** Another version of Tomas's Life game. Includes a torus option, an option to perform calculations with the processor rather than the blitter, and more. This is version 5.0 and is about 15% faster. Includes source. By: Tomas Rokicki FF316, FF306, FF131, FF31, AM9

**Life-3D** A 3D version of the classic cellular-automaton game. Shareware, author suggests \$20 donation. Version 1.2, binary only. Author: Bob Benedict FF70, AM18

**LifeCycles** Some sort of biorhythm type program. No docs included. V2.0, binary only. By: Michal Todorovic FF325

**Light** A version of the Tron light-cycle video game. AM15

**Lighthouse** A lighthouse in an IFF picture. AM6

**Lila** A shareware utility that allows you to print listings or other text files on Postscript printers, with header, page numbers, and multicolumn pages. Can print in portrait or landscape orientation. This is version 9004b, an update to version 8912a on disk 368, binary only. Author: Bertrand Gros FF414, FF368

**Line** A shell written to enhance the bare-bones CLI with features that many people find useful in the UNIX csh, including history, aliases, a directory stack, etc. Version 1.15, includes source. Author: John D. Aycock FF457

**LineDrawer** Makes a line drawing based on drawing commands stored in a text file with a demo that draws an outline map of the USA and state borders. V1.0, with source By John Olsen FF96

**Lines** A color line pattern generator, adapted from Mackie. Version 1.1, includes source. Author: Joel Swank FF304

**Lines** A line drawing demo program, reminiscent of the 'sparks' program on disk #9. Author: Paul Jatkowski FF41

**LinesDemo** A demo program which illustrates the use of proportional gadgets to scroll around in a superbmap window. Posted to usenet by Barry Whitebook @ Commodore-Amiga MemExpansion Schematics and directions for building your own home brew 1 Mb memory expansion. By: Michael Fellingner FF27

**LinkSound** Two examples of functions that you can link with your own code to produce a short musical "beep"

or a sound that is similar to striking a drum. Includes source. Author: Dieter Bruns FF323

**Linstrom** Some miscellaneous small programs from the Linstrom family. Includes some basic games, some programs based on algorithms from the Computer Recreations column in Scientific American (demon, turnmutes, mountain), and a fish tank simulator. Includes source. Author: Lloyd Linstrom and family FF251

**ListINST** Program to list the instruments DMCS will not load as well as list the origins for any instrument. AM23

**Lister** Program to display information about files in various types of archives, such as arc, cpio, lharc, tar, zip, and zoo. Version 1.01, an update to version 1.0 on disk 518. Includes source. Author: Kerry Cianos and Geoffrey Faivre-Malloy FF527, FF518

**ListPlot** A 2D plotting program built around the PLPLOT plotting library. Its principle advantage is that it supports a variety of graphics devices. By default, output is sent to a window on the Amiga's screen. Through command line options, the graph can be sent to any preferences printer with graphics capability, stored as an IFF file, stored in HPGL format, stored in Aegis Draw format, or stored as an Encapsulated Postscript File. A variety of line styles and colors are available. Includes source. Author: Frederick R. Bartram and Anthony M. Richardson FF391

**ListScanner** A nice little utility to display all the Exec lists. Somewhat like the Xplor utility from FF 73. Includes source in assembler. Author: Heiko Rath FF139

**ListWindow** Gives simple initialization, handling, and freeing of Macintosh-like list-windows. These are use-sizeable windows with a scrollable list of text strings, optionally sortable. The list can be scrolled with a scrollbar, up and down arrows, arrow keys, or a SHIFT+key combination which searches for the first occurrence of the specified key. Source and a sample program included. Author: Paul Thomas Miller FF368

**Lit** Lit filters a file to stdout, showing all characters in an unambiguous format. Printable characters are printed as is, non-printable characters are printed in any of three representation formats. Version 2.0, includes source. By: Donald Irving FF73

**Little Smalltalk** It is a port of Timothy Budd's Little Smalltalk system, done by Bill Kinnersey at Washington State University. I filtered all the text files in the sources, docs, and examples directories through a program to remove extraneous CR (^M) characters from the end of each line. This also makes the files conform to standard Amiga and UNIX line delimiter conventions. I hope this didn't break anything else in the process. I have added the file sources / Makefile to help people who want to recompile the sources. It uses my ccfntend. I was able to compile and link an executable that was almost the same size as the one Bill provided (100 bytes smaller) using Manx 3.20B in 16-bit int mode, but it aborted immediately with an error message, so beware.-Fred. FF37

**LJP** A program to print text files on an HP LaserJet printer. Supports landscape or portrait modes, use of any built-in font, automatic downloading of soft fonts, extremely fast printing, one or two logical pages on a single paper, multiple styles of page headers, adjustable page length and width, user specified pitch and point of a font, selectable margins and tab spacing, multiple copies, optional line numbers, and more. Version 1.01, binary only. Author: Khalid Aldoseri FF418

**Llamatron** A fast action, arcade style game, guaranteed to have your FILE button finger dangling off at the tendons. Hours of fun for you, blowing away horde after horde of alien fiends. Shareware, binary only. Author: Jeff Minter FF541

**LList** A 'list' type program that displays type of file. Many types of files included, and ability to extract information from other file types for recognition. Standard Amiga Wildcards supported. Binary only. Author: Nic Wilson FF501

**LLSort** Replacement for the AmigaDOS SORT command. Pure bit set and may be made resident. Features COLSTART and FIELDS parameters and sorts in either ascending / descending order. Also sorts with or without case sensitivity. Binary only. Author: Les Leist FF379

**Lmv** This shareware program, submitted by the author, is called 'Long Movie'. It loads up to 100 IFF graphics files and displays them in forward or reverse order, at up to 19 frames per second, to create computer animations for VCR recording. Binary only, source available from author. Author: Jim Webster FF73

**LoadImage** An IFF ILBM reader that accepts overscanned pictures, allows you to scroll around in the bitmap if the picture is larger than the current display, works on both PAL and NTSC machines, supports color cycling using interrupt code, and supports printing of image portions. Version 1.11, update to version 1.9 on FF281,

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# Freely Redistributable Software

includes source. Author: Olaf Barthel FF355, FF281

**LoadIt** prog to load a file into memory until a reboot. (Only the mostesoteric hackers will find LoadIt useful.) AM24

**LoanCalc** Keyboard and mouse driven mortgage utility. Although similar programs exist, this one is unique in that it is designed to track 'Open' mortgages that allow any size payment to be made at any time, as well as providing a printed amortization table for fixed mortgages with monthly, semi-monthly, bi-weekly and weekly payment schedules. This is version 1.4, an update to version 1.2 on disk 366. Binary only. Author: Robert Bromley FF492, FF366

**LockDevice** A package to protect filing devices from being accidentally formatted. Can be used with any filing device and file system. Version 1.0, includes source. Author: Olaf Barthel FF371

**LockMon** Find file locks. Useful for discovering if programs properly clean up after themselves. Author: Dewi Williams FF19

**Logic** A small game that is somewhat reminiscent of 'life'. Version 2.0, includes source in assembly. Author: Thomas Jansen FF461

**Logo** A logo interpreter, with user interface like the Apple II logo. Shareware, author suggests \$5 donation. Author: Gerald Owens FF70, AM18

**LollypopLady** Famous Lady with lollypop picture which caused so many people to purchase the Amiga for its graphics. An IFF picture. AM7

**LookFor** A general 'find that file' utility which is handy for hard drives, multiple drives, and multilayered paths. Includes source. Author: Mark Schretlen FF274

**Loom** Simulation of an eight harness loom. Supports 15 colors for warp and weft threads. Scalable display. Patterns created can be printed in draft format or saved as IFF files. Version 1.00, binary only. Author: Martin C. Kees FF516

**LordOfHosts** A strategy game for two players based on a board game called "Shogun". Features include flexible mouse/joystick controls, undo and redo of up to 500 preceding steps, fully intuition-ized user interface. Version 1.0, complete source code, precompiled include files and debugger files included. Author: Tim Pietzcker FF488

**Lotto** Lotto is designed to replace your user group's old shoebox full of membership numbers and names and add some pizzazz to the process of drawing for doorprizes at club meetings. Includes source. Author: Mike Groshart FF262

**Lotto** Small lotto number selector with C source. Author: Timm Martin FF430

**LowMem** Another fine freely redistributable product from ASDG. This one is a low memory server, which is a compact shared library which allows arbitrary processes to register their desire to be notified of impending memory shortages. This allows good citizen programs to free up memory that they may not need, so other programs can use it. Binary only. By Perry Kivlowitz FF85

**Ioz** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**LPatch** Patch for programs, such as 'Atom', with bad 1.0 LStartup code, which about during startup under 1.2 with 00038007 alert (can't open DOS library). Includes source. Author: Carolyn Scheppner FF61

**LPE** LaTeX Picture Editor is a graphical editor for producing 'pictures' for the LaTeX system, which may be imported by LaTeX. You can draw boxes, dashed boxes, lines, vectors, circles, boxes with centered text, and plain text. This is version 1.1, an update to version 1.0 on disk 243, and includes some new drawing tools, enhanced user interface features, optimized code, and some bug fixes. Binary only. Author: Joerg Geissler FF277, FF243

**ls** Version 3.1 of the popular UNIX style directory lister. This is an update to version 2.0 from disk 178, and includes some bug fixes, support for multiple wildcard pathnames, quicker sorting, a best-fit output, new output width and height options, and some other new features. Includes source. Author: Justin V. McCormick. FF236, FF178

**ls** Minimal Implementation of UNIX ls. Demonstrates use of UNIX style file name pattern matching code. Author: Rick Schaeffer FF10

**LLabel** A simple label printing utility. Very powerful as the user can/must do a lot of settings by himself. Features include variable linefeeds (in 1/216 inch steps), a very exactly setting of the label length and freely configurable printer codes. Version 1.0, binary only. Author: Stefan Berendes. FF478

**LVR** Link Virus Remover. A program that recursively searches directories for link viruses in executable files. This is version 1.20, binary only. By: Pieter van Leuven FF331

**Lz** An lhaarc compatible archiver that is reported to be much faster than other available archivers and

produce smaller archives. Version 1.01, shareware, binary only. Author: Jonathan Forbes FF465

**M2Amiga** Demo version of the final product M2Amiga. A fast single pass Modula-2 compiler with editor, linker, a small set of interface and standard libraries. Compiles only small demo programs by limiting codesize and imports. Further development of the ETHZ compiler on FF24. Binary only. Demos with source. By R. Degen, C. Nieder, M. Schaub, J. Straube (AMSoft) FF113

**M2Error** M2error can be used to display compile errors produced by the TDI Modula-2 compiler, like the m2error supplied by TDI. Includes source. Author: Richie Bielak FF79

**M2Icons** New Icons for the M2Amiga System. Includes a script for easy installation. Author: Robert Brandner FF549

**M2Pascal** A simple Modula-2 to Pascal translator. You can write simple programs on your Amiga using one of the available Modula-2 compilers, and then use this translator to generate Pascal source for export to other systems with Pascal compilers. Version 1.0, includes source in Modula-2. Author: Greg Mummm FF512

**M2Utils** Various source modules for Benchmark Modula-2. Includes ColorReq, an interface to the Dissidents color.library; IFFLib, an interface to Christian Webers iff.library; and ARP, an interface to ARP V1.3. Author: Sascha Wildner FF439

**M4** A UNIX M4 look-alike macro processor intended as a front end for Ratfor, Pascal, and other languages that do not have a built-in macro processing capability. Pd M4 reads standard input, the processed text is written on the standard output. By Ozan S. Yigit (oz) FF160

**MacFont** A conversion tool to convert Mac fonts to Amiga fonts. Binary only. Author: John O'Neill and Rico Mariani FF138

**MachII** A 'mouse accelerator' program that also includes hotkeys, the features of sun mouse, clicktofront, popcli, title bar clock with a bbs online charge accumulator, and more. This is version 2.6, an update to version 2.4c on FF163. Binary only. Author: Brian Moats FF254, FF163, FF130

**MachIII** A mouse accelerator program that also includes hotkeys, features of sun mouse, clicktofront, popcli, title bar clock with a bbs online charge accumulator, Arrex support and much more. Updates for Workbench 2.0 have been added along with many fixes and new features. This is version 3.1, an update to version 3.0 on disk 378. Binary only. Author: Brian Moats and Polyglot software FF471, FF378

**Machine** A neat new animation from Allen Hastings. Author: Allen Hastings FF109

**Mackie** A versatile cli/macro-key initiator based on POPCLI with a unique method of screen-blanking. I won't say more, just try it! This is version 1.4. Includes fixes to work with latest WShell and the new 'never' keyword. Includes source. Author: Tomas Rokicki FF305, FF267, FF189, FF187, FF161, FF130

**macros.i** Assembler include files. AM5

**MacView** Allows viewing of standard MacPaint picture files in either Amiga low resolution (320 x 200) or high resolution (640 x 400). Executable, sample pictures, and icons (version on disk 32 did not include pictures). Author: Scott Evernden FF35, FF32

**MadBlanker** A cute screen blanker that bounces a transparent rectangle around on the screen, like a theater spotlight, with configurable options which include size and whether or not you want the rectangle to change size. Version 2.0, includes source. Author: K. Mardam-Bey FF406

**madlib** A mad lib story generator in AmigaBASIC. AM11

**Magnetic\_Pages** A software package that allows you to create and display a disk-based magazine. The magazine produced is of a similar format to that of a traditional paper magazine. You can combine text and graphics on a single page, branch to different sections by clicking on icons and play sound and music. Features a full intuition driven interface. Version 1.0, shareware, binary only. Author: Mark Gladding. FF372

**Mailchk** A mail client for Dnet, which will inform you of any new mail and will give the choice of viewing, deleting, or printing a message. Version 2.01, includes source. Author: Stephane Laroche FF324

**mailtalk** A talking mailing list program in AmigaBASIC. AM11

**MAK** The Mandelbrot Adventure Kit is a nicely done mandelbrot generator with full source code (about 18,000 lines of C code). Includes some sample images along with the parameters used to generate them, and lots of built-in help screens. Author: Steven Dillon FF522

**Make** A simple 'make' programming utility. C program in C source code and executable. AM2

**Make** Another version of make that seems to be more complete than many other PD makes. Author: Un-

known, downloaded from the Software Distillery FF45

**Make** Public domain make from mod.sources, Volume 7, number 91. It has been cleaned up, Manx'ified, and some new features added, by Steve Walton. Includes source. Author: 'caret@fairlight.OZ' FF69

**make** Subset of 'UNIX' make command. Useful, but does not have many of the features of the full make, much less the newer 'augmented make' Author: Landon Dyer FF2

**make2** Another make subset command. By Marc Mengel FF2

**Makelcon** This program will make an icon (.info file) using image data from either another icon, or an IFF picture file. The image data is drawn on the screen so you can see exactly what your icon will look like. You can also go the other way, and make IFF files from icons, which can then be loaded into a standard IFF graphics editor. Version 1.1, binary only, source available from author. Author: Paul Blum FF255

**Makemake** Reads C source files and constructs a vanilla makefile in the current directory. Includes source. By Tim McGrath FF74

**Makewords** PhoneWord takes a full or partial telephone number and attempts to create a word from the various alphabedigit combinations. Unjumble may useful in solving the Sunday morning newspaper Scramble. Includes source. Author: Ron Charlton FF366

**MallocTest** A malloc/free test program that allocates and frees randomly sized pieces of memory with random lifetimes, and fills them with patterns that can be checked for corruption. Useful for beating on your vendor supplied memory management routines, or possibly as a poor man's memory test program. Includes source. Author: Neil Webber FF66

**MambaMove** A game with the goal of moving an apple eating snake inside four walls until an exit appears. Includes source. Author: Stefan G. Boldorf FF548

**Man** A program similar to the UNIX 'man' program. Displays information about a topic from manual pages. Does not include any database of topics, you have to supply your own. Version 1.2, includes source. Author: Garry Glendown FF241

**Mandala** A mandala graphic program with sound, sort of Eastern music. Binary only. Author: Unknown FF67

**MandAnim** A Mandelbrot Animation program that allows you to easily generate series of lo-res/16-color pictures. Features full mouse and/or keyboard operation, zooms, auto-save, high (+cheat) speed, iconization, preview, ease, etc. The generated pictures all remember their positions and settings so they can be reloaded. This is version 1.2, an update to version 1.1 on disk 387. Binary only. Author: Ekke Verheul. FF461, FF387

**Mandel** Another mandelbrot generator program, with bits and pieces of code from C. Heath and R.J. Mical. This is V1.3, an update to FF111. New features and improvements include an ARexx interface, coordinates in sight, more state info saved with a picture, batch files, programmable functions, and more plotting options. Includes source. Author: Olaf Seibert FF218, FF111

**Mandel** Mandelbrot set program, C code and executable. AM1

**mandel** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**MandelBlitz** Very fast Mandelbrot plotter with lots of handy functions such as color cycling, zoom, special palette control, file requestors and more. Version 1.0, binary only Author: Nico François FF387

**Mandelbrot** A fast Mandelbrot rendering program that uses some of the mathematical properties of the Mandelbrot set to greatly reduce the drawing time. Demonstrates graphics programming, assembly language, menus and IFF file I/O. Standalone image with source code. Author: Nick Didkovsky FF239

**Mandelbrot** Latest and greatest mandelbrot program. Features include the ability to save images in 'IFF' format, for reading into Deluxe Paint or other programs that use IFF. Also includes code from GraphiCraft to handle color palette and change colors at will. Many additions by RJ Mical. Version 3.00 Author: Robert French FF31, FF5, FF4

**Mandelbrot Set Explorer** This is a copy of Thomas Wilcox's Mandelbrot Set Explorer disk. To run from CLI: 1) cd dFX: (where X is drive containing disk)=2) mse. To run from Workbench: 1) Click on MSD icon. It contains extensive on-line help information, unlike other Mandelbrot programs distributed in this library. It also is capable of displaying some very pretty hi-res pictures in interlace mode. FF21

**MandelBrots** Some mandelbrot images submitted for the 'mandelbrot images contest' some months ago. Only three people submitted mandelbrots and these were among the most interesting. FF20

**MandelMountains** A program that renders three-dimensional images of blowups of the Mandelbrot

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set. Includes several example images. This is version 2.1, an update to version 2.0 on disk 354. The most significant enhancement for this version is that it is two to three times faster due to inclusion of a specially tuned fixed point arithmetic package. Shareware, binary only. Author: Mathias Ortmann FF383, FF354, FF295

**MandelPAUG** A version of MandFXP with complete online help, a fully implemented Mandelbrot and Julia set 'movie mode', and many improvements in the user interface. Version 2.1, binary only, source available. Author: Bruce Dawson, Steve Larocque, Jerry Hedden FF452

**MandelVroom** A Mandelbrot/Julia-curve generating program that features five numerical generators (integer, fip, ieee, 020, and 020/881) in hand-crafted assembly for maximum speed, online mouse selectable help for all functions, generation of multiple pictures simultaneously, a sophisticated user interface with shaded gadgets, etc. Some of the other features include zoom, magnify, color-cycling, contouring, auto-contouring, histogram, statistics, presets, extra-halfbrite support, overscan, orbits, pan mode, and more. Requires 1Mb or more of memory. This is V2.0, an update to FF78. Source is available on FF214. A compiled binary, along with help files and example images, can be found on FF215. by: Kevin Clague FF215 & 214, FF78

**mandlebro** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**mandrill** A gorilla in an IFF picture. AM6

**MarbleMadness.pic** A screen from MarbleMadness. AM6  
**MarbleSlide** The aim of this game is to build a slide on a 10 x 11 board of pieces that move around, allowing the marble to reach the goal piece. You play against time. Also includes a board editor to build custom boards. Binary only. By: Peter Handel FF283

**Marge** A simple CLI utility to add a specified number of spaces or tabs to the left side of every line in a file. Includes source. Author: Joel Swank FF177

**Marilyn** HiRES BW collection of Ms. Monroe FF72

**marimba** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Marketroid** Marketroid is Leo's entry for the Badge Killer Demo Contest. It is another devious sprite oriented demo with lots of 'in' jokes. 512K required. Includes source. By: Leo Schwab FF115

**Martian** The Bugs Bunny Martian in an IFF picture. AM6  
**Mat** A comprehensive String-Search/Pattern-Match Utility for both text files and directories. A powerful command line syntax allows automatic file editing, construction of command scripts, and so on. Example Shell scripts are included. Binary only (a much enhanced version of the original on Disk #102). Author: Pete Goodeve. FF374

**Match-stuff** Heavy duty text pattern matching stuff. The pattern syntax is an extension of standard AmigaDOS filename matching. Also includes some simply matched text replacement capability. Includes source. Author: Pete Goodeve FF102

**mathfip.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**mathieedoubas.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**mathieeesingbas.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**Mathtrans** A very small library which replaces the mathtrans.library distributed by Commodore-Amiga, for those who own an MC68881/82 floating point unit. Calculation speed of some functions is increased up to 15 times. Version 1.1, includes source. Author: Heiner Huckstadt FF319

**mathtrans.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**Matlab** A FORTRAN package (MATrix LABoratory) developed by Argonne National Laboratories for in house use. It provides comprehensive vector and tensor operations in a package which may be programmed either through a macro language or through execution of script files. Supported functions include sin, cos, tan, arctangents, upper triangular, lower triangular, determinants, matrix multiplication, identity, hilbert matrices, eigenvalues, eigenvectors, matrix roots, matrix products, inversion, and more. Amiga specific features include workbench startup, polar plots, contour plots, enhanced plot buffer control, and algorithmic plot display generation. This is an update to the version on disk 267, with many bug fixes and code reorganizations. Includes source in FORTRAN. Author: Jim Locker, Cleve Moler, Mike Broida FF499, FF267

**MatLabPatch** Patches for both Matlab and Diglib on disk 499. The version of Diglib compiled for 68000 machines has some incorrectly compiled modules (compiled for 68020) and therefore causes crashes on 68000 machines. The Plot.sub module compiled for

68000 machines in the Matlab archive was linked using the incorrect Diglib and does not run on 68000 machines. This update provides correctly compiled replacements for both those files. Author: Jim Locker FF538

**Matrix** Solves systems of linear equations. Includes both PAL and NTSC versions. Version 1.00, includes source. Author: Rudiger Dreier FF376

**Maze** A couple of very nice demos for the creation and use of single-solution mazes, one of which is practically a stand-alone game. Includes source. Author: Werner Gunther FF171

**Maze** An example of a fully re-entrant maze generation program written in assembly language using Manx's assembler. Includes source. Author: Michael Sinz FF248, FF218

**MC68010** Complete information package for upgrading an Amiga to use an MC68010 in place of the MC68000. Includes a software fix that makes this transparent to user programs that use instructions that are privileged on the 68010 By Thad Floryan FF18

**mCAD** An object-oriented drawing program, version 1.2.2. Uses a small set of graphics primitives (like 'line', 'box', and 'text') and a small set of editing functions (like 'move', 'size', and 'rotate'). While drawing and editing, the user can call on other functions to modify the display; to zoom in, slide around, superimpose a grid, etc. This shareware program was submitted by the author. Many improvements over the version released on FF56. Binary only. Author: Tim Mooney FF59, FF56

**MCP** A "TRON" like cycle race game for up to four players. Version 13.76, update to version on disk 338, includes source in assembly. Author: Jorg Sixt FF481

**meadows3D** A 3D graphics program, from an AC™ article, in AmigaBASIC. AM11

**Mean18** Two Mean 18 custom golf courses by Joel Swank FF304

**MechFight** A role playing game where you explore a world, buy or find items, and fight against robots and aliens. During the game you are asked to perform certain tasks. This is version 1.0, binary only. Author: Florian Marquardt FF410

**MED** MED is a music editor that can be used to compose music for demos/games etc. It can be used as a stand-alone music program as well. The features include built-in sample editor, synthetic sound editor, MIDI support (up to 16 tracks), and options to read/write NoiseTracker modules. Included are routines that allow programmers to easily incorporate music made with MED in their programs. This is version 3.10, an update to version 3.00 on disk 476. Binary only. Author: Teijo Kinnunen FF483, FF476, FF424, FF349

**Med** Yet another Amiga text editor. This one lets you edit up to 36 files simultaneously and makes extensive use of the mouse. This is version 2.1, binary only. Author: Francois Rouaix FF60

**MED-Songs** A selection of musical pieces created with MED, the musical editor program (see disk 476 for MED 3.00). Includes MEDPlayer version 3.0. Author: Hans-H. Adam FF478

**MegaBall** This is a new version of the game Ball by the same author. It is a Breakout type game, and is very good. Complete with impressive sound. This one's addicting. Binary only. Author: Ed Mackey FF477

**MegaD** Yet another disk utility program for the Amiga. This one allows an unlimited number of directories to be accessed simultaneously. Version 1.01, shareware, binary only. Author: John L. Jones FF440

**MegaWB** A program that makes it possible to make your WorkBench screen as large as you like. Version 1.2, Source in Modula-II. By: Fridtjof Siebert FF253

**Melt** Another display hack from the master himself... Includes source. Author: Leo Schwab FF66

**MEmacs** Another Emacs, more oriented to word processing. In C source code and executable program, and documentation provided. AM9

**MemBoardTest** Originally designed for production testing of A1000 memory boards. Very nice intuition interface. Version 2.4, Includes source in Modula. Author: George Vokalek FF158

**MemClear** Walks through the free memory lists, zeroing free memory along the way, and coalescing memchunks that have contiguous address spaces. With source. by John Hodgson FF58

**MemDiag** Memory diagnostic program to identify addresses which produce memory errors, and a memory quarantine program which removes such defective addresses from the system's free memory list, until the hardware errors can be corrected. Version 1.1, includes source. by: Babbian Dufoe FF214

**MeMeter** A small utility for monitoring the Amiga's memory usage. Unique snapshot facility allows you to store the current numbers, launch a program, see how much memory it requires, end the program, and see if it returns all the memory. Version 2.1, binary only.

Author: Gaylan Wallis FF366

**MemFlick** Treats all the memory in your Amiga as if it was part of a bitplane inside a graphics display. Provides sort of a graphical picture of your memory usage. Binary. By Jim Webster FF206

**MemFrag** Displays number of memory chunks/sizes to show memory fragmentation. Chunks are displayed as 2\*\*N bytes which is a rough guide but still useful. This is an enhanced version of 'Frag' from disk 69. Includes source. By: Mike Meyer, enhancements by Gary Duncan FF345

**MemGauge** A tool to display the current memory usage, very much like the usage bar Workbench displays in root directories. V1.4, includes source. Author: Olaf 'Olsen' Barthel FF222

**MemGuard** A program similar to MemWatch, which continually checks the low memory vector table for random trashing. Has been optimized and greatly enhanced to support the 68010, 68020, 68030, etc. microprocessors. Unlike MemWatch, MemGuard does not run as task in a dummy loop but rather as a low level interrupt routine which is capable of trapping memory trashing even before exec might know of it, and even while task switching is forbidden. Version IV, an update to version IIIa on disk 354, binary only. Author: Ralf Thanner FF436, FF354, FF325

**MemLib** A link library of routines to aid in debugging memory problems. Works with Lattice C 5.0 and possibly with earlier versions. It's features include trashing all allocated memory, trashing all freed memory, keeping track of freed memory with notification if it is written to, notification of memory freed twice or not at all, notification of overrunning or underrunning allocated memory, generation of low memory conditions for testing purposes, and identification of violations of memory use by filename and line number of the allocating routine. Includes source. Author: John Toebees and Doug Walker FF240

**MemLook** Gives a graphical view of your machine's entire memory area. Features memory gauge and controllable scrolling speed via the cursor keys. Version 2.0, an update to version 1.1B on disk 364. Includes source in assembly. Author: Thomas Jansen FF417, FF364

**MemMometer** A program that opens a narrow window and graphically both displays your memory usage like a gauge, and also detects changes in regions of memory over time. Detected changes are categorized and displayed using color coded bands. This is version 2.20, an update to version 2.10 on disk 350. It accommodates AmigaDOS 2.0 and the Amiga 3000 32-bit memory addresses. Includes source. Author: Howard Hull FF496, FF350

**MemMon** A small memory monitor. Version II, shareware, includes source in Modula II. Author: Andreas Gunser FF455

**MemoPad** A shareware intuition-based memo reminder program. Nicely done. Update to version on FF 146, version 1.2, binary only. Author: Michael Griebling FF160, FF146

**Memory Squares:** Test your memory with this AmigaBASIC game. Author: Mike Morrison AC5

**MemoryClock** A clock program that shows the amount of free fast ram, free chip ram, as well as the time and date. Includes source in assembly code. By Roger Fischlin FF188

**MemRoutines** Some plug-compatible replacements for the Lattice C functions memcpy(), memcmp(), and memset(). Unlike the Lattice functions that deal with data one-byte at a time, these versions deal with longword chunks, which can improve performance of Amigas equipped with a 68020 or 68030. Includes source in assembly. Author: Robert Broughton FF362

**MemTrace** Routines to help debug memory allocation and freeing during program development. Will complain if you try to free memory you didn't allocate and will report on memory not freed when your program finishes. Author: Jojo Wesener FF163

**MemView** Program which sets up a direct window into RAM, thus dynamically displaying the contents of memory. Author: Leo Schwab FF33

**MemWatch** Memwatch is a program intended to sit in the background and watch for random trashing of low memory by an application under development. If it detects a write to low memory, it repairs it to what used to be there, then puts up a requester indicating what damage had been done. Very useful! Version II, includes source. Author: John Toebees FF87, FF48

**Menu** A fast-access menu system configurable via a script file that allows the user run selected programs. Version 2.0, binary only. Author: Stefan Mörnhag FF387

**menu** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13, AM1

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**MenuBuilder** A program which automates the process of building menus. It takes a simple text file and generates a C source file with all the needed structures for linking with the rest of your program. This is version 1.0, and includes source. Author: A. Preston FF65, AC7

**MenuC** A menu and gadget compiler. Takes a simple ascii file describing menus and gadgets and creates the appropriate IntuiText structures needed to actually create working menus and gadgets, in either C or assembly source. This is version 0.8, binary only. Author: Bruce Mackey FF438

**menudemo** A demo of Intuition menus called 'menudemo', in C source. C program. AM5

**menuEd** A menu editor that produces C code for menus. Executable program and documentation. AM12

**MenuEd:** A menu editor that allows you to easily create menus. The program then generates C code that you can use in your own programs. Author David Pehrson AC1

**MenuEditor** Create and edit menus, saving the result as either a binary file for further editing or as C source for inclusion in a program. Author: David Pehrson Author's suggested shareware donation: \$15 FF30

**Menus** Learn about Intuition menus, a John Draper Amiga Tutorial. AM2

**MenuWriter** Allows you to write a menu to the bootblock for a disk. Allows up to 30 entries of 39 characters long, with commands up to 31 characters long. The loader also allows batch files to be executed. Includes a built in virus detector. Version 3.1, binary only, source available from author. Author: Peter Stuer FF420

**MergeMem** Program which attempts to merge the MemList entries of sequentially configured RAM boards. When successful allows allocating a section of memory which spans board boundaries. Version 2. Author: Carolyn Scheppner FF95, FF56

**Metafont** Amiga port of the Metafont package, a program to create TeX fonts. Includes versions for 68000 and 68020. Disk 487 contains a copy of the Metafont font source files from the TeX distribution tape, including the Computer Modern Roman and the LaTeX fonts. This is version 2.7, binary only. Author: Donald E. Knuth, Stefan Becker (Amiga port) FF486

**Metro** In METRO, you play the role of a city planner. Using limited funds, you must construct a mass-transit subway system capable of meeting the needs of your city. Build wisely and your system will be a success, but poor planning will lead to disaster and financial ruin. Shareware, binary only, source available from author. Author: Mark A. Thomas and David P. Townsend FF426

**MFF-Demo** Demo copy of the MicroFiche File program from Software Visions Inc. The MicroFiche File is a full-powered database program for manipulation of text, numbers, and pictures. It uses the microfiche metaphor for dealing with your data graphically. This is a full production version except that the save option has been disabled. Includes a sample database of my disk library. Binary only. Author: Gary Samad FF89

**MFF-Update** A text import utility for MicroFiche File (demo version released on disk 89) and updates to some PD disk library databases. Binary only. Author: Gary Samad FF103

**MFix** A small program to insert in the startup-sequence of the commercial program, Marauder II, from Discovery Software, International. Whenever the copy process is started, the rainbow screen is covered by a bare screen until the copy is finished. The author claims a 25% decrease in copy time is achieved. Version 1.0, binary only. Author: Stephen Gunn FF172

**MForgeRev** Text of a user's view of MicroForge hard drive. AM8

**MFSrc** A copy of the Metafont font source files from the TeX distribution tape, suitable for use with the Amiga port of Metafont on disk 486. Included are the Computer Modern Roman and the LaTeX fonts. These should be sufficient to run a normal TeX installation. Author: Various FF487

**MG** Beta version of mg3, including ARExx support. This is probably the most stable beta for the next year, as many new features are going in after this. Amiga-only release. Sources compressed with lharc to fit on the disk. Update to mg2b on disk 147. Author: Mike Meyer, et al. FF352

**Mg1b** A version of Mg1b with an ARExx port and other improvements by Tomas Rokicki. Finally you can define macros and bind them to function keys in your startup file! Includes source. Author: Various; enhancements by Tomas Rokicki FF131

**MicroEMACS** Version 3.10 of Daniel Lawrence's variant of Dave Conroy's microemcs. This is an update to the version released on disk 119. New features include multiple marks, more function key support, a better crypt algorithm, and end-of-word command, a com-

mand line switch for setting environment variables, new hooks for macros, a command to strip trailing whitespace, internationalization features like foreign language message support, horizontal window scrolling, much faster search algorithm, Amiga intuition support, and more. Includes source and extensive online documentation. Author: Dave Conroy, MANY enhancements by Daniel Lawrence FF195, FF147, FF119, FF93, FF61, FF6, FF2

**MicroEmacs** This disk contains a significantly enhanced version of microEmacs based on the version 30 release posted to usenet's mod.sources news group. Previous versions of microEmacs released on these disks derived from a very old version of microEmacs. The author has cleaned up lots of loose ends and restructured major parts of the code. Other people have added support for termcap, ports to other machines and operating systems, and a limited GNU emacs compatibility option. Because recipients of this disk might wish to run this new microEmacs on other machines in addition to the Amiga, I have included all sources that were available to me at the time of release. The sub directories which give alternate implementations are: Sys/Vms System modules for VAX VMS Sys/Atari System modules for Atari ST Sys/MS-DOS System modules for MS-DOS Sys/Cpm86 System modules for Cpm Sys/ Amiga System modules for Amiga Sys/Ultrix System modules for Ultrix/BSD4.2 Sys/SysV System modules for UNIX System V Tty/Atari Terminal driver for Atari ST Tty/7300 Terminal driver for A&T UNIX PC (7300) Tty/Intuition Terminal driver for Amiga using Intuition Tty/Termcap Terminal driver using termcap for UNIX Tty/Ansi Terminal driver using ANSI codes Tty/AmigaDOS Terminal driver for Amiga using just AmigaDOS Tty/Heath Terminal driver for a Heath terminal. Please send any enhancements to rtchldaveb, or to me and I will see that he gets them. - Fred FF23

**MicroGNUEmacs** MicroGNUEmacs(MG 2b) contains many additions and enhancements since the original works by Dave Conroy (credit belongs to all contributors and Beta testers. Note: Amiga specific source code files and the document files have been archived. An executable copy of the PDS archive program 'Zoo' is in the 'c' directory FF147, FF101, FF68, FF6

**MicroSPELL** MicroSPELL is a standalone spelling checker which scans text files and reports on misspelled words. It has a 1000 word 'common word' list, a 43,000 word main dictionary, and supports multiple user dictionaries. Also interfaces quite nicely with MicroEMACS 3.9, with an emacs macro to step through the source file, stopping at each suspect word and allowing the user to dispose of it in different ways. Version 1.0, includes source. Author: Daniel Lawrence FF101

**MicroTerm** A very small, very simple, almost brain-dead terminal program. Primarily useful as an example of how to talk to the console and serial devices. Version 0.1, includes source. Author: Stephen Vermeulen. FF326

**MIDI** A midi library and utilities set. This looks like a very complete package, though I have no way of testing anything since I have no MIDI hardware. The MIDI utilities include a MIDI monitor to display incoming MIDI messages to the console, a routing utility, a MIDI library status utility, and more. Also includes source. Author: Bill Barton FF101

**MIDI** Make your own MIDI instrument interface with documentation and a hi-res schematic picture. AM13

**MIDI Out:** A MIDI program that you can expand upon. Written in C. Author: Br. Seraphim Winslow AC3

**MidiLib** A disk based library that permits sharing of the serial port by MIDI applications through a MIDI message routing and processing system. The midi utilities include a midi monitor to display incoming midi messages to the console, a routing utility, a midi library status utility, and more. V2.0, an update to FF101, and includes significant speed enhancements, new utilities to play with MIDI files, and updated utilities, documentation and examples. Binary only (source for examples and bindings however). Author: Bill Barton FF227

**MIDIsoft** Transfer sound samples between the Amiga and a Roland S-220. V1.0, binary only. By Dieter Bruns FF199

**MIDITools** A group of several different utility programs for those who run a MIDI system. Binary only. Author: Jack Deckard FF159

**MidiTools** A group of several different utility programs for those who run a Midi system. Update to version on disk 159. Includes three new programs, two of which are synthesizer editors, and compatibility with AmigaDOS 2.0. Binary only. Author: Jack Deckard FF488

**MidiTools** Simple programs to play and record through the MIDI I/F. Untested (I have no MIDI hardware). By Fred Cassirer FF54

**MigaMind** A small WorkBench Master-Mind type game. Includes source. Author: Ekke Verheul FF363

**MigaSol** A game of solitaire. AM15

**MightyMouse** A very small screen blanker, mouse accelerator, mouse blanker, hot key, etc. utility. Version 1.05, binary only. Author: Bob Stouder FF527

**MillStone** Another game in ABasiC by the author of Monopoly. Author: David Addison FF28

**Mind** A design for artificial intelligence (AI) based upon linguistics. The included animation shows how one node on a syntax tree flushes out the currently active concept in a mind contemplating a scene of the external world through the eye. Includes five documents describing the theory behind the animation. Author: Arthur Murray FF411

**mindwalker** Text clues to playing the game well. AM12

**MineClearer** Amiga version of the Minesweeper program under Windows 3.0. You are the captain of a ship and you have to clear the sea from mines. Shareware, version 1.0c, binary only. Author: Kopetzky Theodorich FF541

**MiniBlast** A shoot'em up game which runs just fine in a multi-tasking environment. At last you can enjoy a satisfying megablast while you are writing a boring essay. Shoot anything that moves, and if it doesn't move, shoot it anyway. V1.00, binary only. By: Anders Bjerin FF336

**minipaint** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. Written in one of the two early Amiga BASIC programs. FF13

**MinixDemo** Demo version of minix 1.5, an operating system very similar to UNIX. The full version of minix comes with source code for the kernel and most of the utilities. Binary only. Author: Andrew Tanenbaum, et. al. FF525

**MinRexx** A simple ARExx interface which can be easily patched into almost any program. Includes as an example the freedraw program from disk number 1. This is version 0.4, an update to the version on disk 188. Includes source. Author: Tomas Rokicki FF450, FF188

**MirrorWars** A new game featuring sound, title music, and two player mode. Fight your opponent via laser rays, but beware of the mirrors reflecting your shots. Binary. By Oliver Wagner FF235

**Mischief** This little program is in the long tradition of 'display hacks'. It uses the input.device to perform various acts of mischief. Includes source. Author: Olaf 'Olsen' Barthel FF222

**MiscUtils** Some small sound and screen hacks. Includes source in C. Author: Jorrit Tyberghein FF302

**Missile** A nice 'missile defense' game. Written 100% in assembler (source available from author) and is very fast! Author: Glen Merriman FF50, AM16

**MissileCmd** A fast Missile Command game written in assembly. Features include using a hires interlaced screen, time based events for correct operation on any speed Amiga, multitasking friendly, and sound effects. This is version 2, an update to the version on disk 444, with bug fixes and enhancements. Binary only. Author: Max Bithead FF473, FF444

**MkBmap** Builds Amiga format bitmapped fonts from PostScript fonts. Uses the library "post.library" (disk 468) to render the characters. Best results are obtained with fully hinted type 1 fonts, such as those supplied by Adobe and other vendors. Version 1.0, includes source. Author: Adrian Aylward FF489

**Mkid** A program identifier database package that provides a logical extension to 'ctags'. The ID facility stores the locations for all uses of identifiers, preprocessor names, and numbers (in decimal, octal, or hex). Includes source. Author: Greg McGary, Amiga port by Randall Jesup FF448

**Mklib** Another example of building a shared library that evolved from 'Elib' FF87. Also included is a library, Edlib, which contains several functions not included in the Manx standard libraries. Includes source. By Edwin Hoogerbeets with C-functions from several different authors FF183

**Mlist** Mailing list database. AM25

**MM** Implementation of the game Mastermind. You must try to guess a color combination which the amiga sets via a random generator. There are 6 colors which can be set in any combination. With source. By Dietmar Jansen FF327

**MMB** With MMB, users of 3 button mice under WB 2.0 can use the middle mouse button as a shift key to do multiple selects. Binary only. Author: Garry Glendown FF436

**MMBSHift** A program that lets you use the middle mouse-button (MMB) (on a three-button mouse) as a SHIFT-key when selecting multiple icons on the Workbench. Only uses 166 bytes of memory. Version 1.0, includes source in assembly. Author: Preben Nielsen FF547

**ModemPins** Text description of the serial port pinout. AM1

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**Modula-2** A pre-release version of the single pass Modula-2 compiler originally developed for Macintosh at ETHZ. This code was transmitted to the Amiga and is executed on the Amiga using a special loader. FF24

**Modula-2 Trails** A moving-worm graphics demo in Modula-2. AM11

**ModulaDefs** Implementation and Definition modules for the Amiga's Graphics, Intuition, and Math libraries, to be used with the Modula 2 compiler from disk 24. Includes a source example of using the modules. Binary only for the rest of the distribution. Author: Jonas Green FF418

**ModulaTools** Various useful routines for those programming in Modula on the Amiga. Update to version on FF 94, includes source. Author: Jerry Mack FF138, FF94

**moire** Draws moire patterns in black and white in a borderless backdrop window. Currently only runs with Lattice C version 3.02, when compiled with 3.03 crashes the system. Author: Scott Ballantyne FF9, AM1

**Molec3D** An interactive 3D solid modelling program for molecules. Produces a graphic, three dimensional representation of molecules, based on 3D coordinates data from geometry optimization programs, X-ray measurements, or any other source. Can handle up to 500 atoms at a time. Requires 1Mb or more of memory. Version 1.022, binary only. Author: Stefan Abrecht FF482

**MoleWt** MoleWt is a molecular weight calculator. The program accepts a chemical formula and returns the molecular weight. This is version 1.01, binary only. Author: John Kennan FF471

**Mon** A machine code monitor/debugger program for the Amiga which is re-entrant and can be made resident. This is version 1.24, binary only. Author: Timo Rossi FF310

**Money** Try to grab all the bags of money that you can. AM15

**MonIDCMP** MonIDCMP lets you monitor the IntuiMessages that pass through an IDCMP window. It prints the message class, mouse coordinates, qualifier values, and other useful information when appropriate. Great for debugging applications and for snooping around in the inner workings of other programs. Includes source. Author: Davide Cervone FF108

**MoniDie** A cute little screen hack. Be sure to turn up the sound. Binary only, source available from author. Author: David Donley FF408

**MonkeyDemo** Demo version of the LucasFilm game "The Secret of Monkey Island". Installable on a hard disk and multitasks as well. Binary only. Author: LucasFilms FF529

**Monolace** CLI program resets Preferences to several colors of monochrome & interlace screens. C source is included, works with DisplayPref, a CLI program which displays the current Preferences settings. AM24

**Monopoly** A simulation of the Parker Brother's board game MONOPOLY. Binary only, source available from author. Author: Ed Musgrove FF251, FF15

**MonProc** An enhanced version of the process packet monitoring program from FF69. Includes source. Author: Phillip Lindsay, enhancements by Davide Cervone FF79, FF69

**Moonbase** You must guide a lunar lander to ferry cargo from an orbiting space station to bases on the surface of the moon. You get cargo and fuel for the lander by docking with the space station. The goal is to complete all the assigned cargo deliveries, and to destroy as few landers as possible in doing so. Binary only. Author: Jim Barber FF312

**Moose** Random background program, a small window opens with a moose resembling Bullwinkle saying witty phrases user definable. AM24

**More Ports For Your Amiga:** Files to accompany article. Author: Jeff Lavin AC13

**More Requestors:** Using system calls in AmigaBASIC to build requestors. Author: John Wiederhim AC6

**MoreArt** A small selection of some additional Amiga artwork submitted to me since the last 'art' disk. Authors: Dana Dominiak and Larry Zasitko FF106

**MoreColors** A way to get more colors on the screen at once using aliasing. ABasiC program AM1

**MoreIsBetter** These two hacks make MORE more useful. One is called V; it's a small 'pure' CLI command that acts as a front end for More, causing it to create its own window. Make V and More both resident! The other is Fenestrate, which surgically alters the CON: window spec inside More enabling it to use ConMan features to create a borderless window on the topmost screen (very useful with CLImax) etc. With source. By Paul Kienitz FF224

**MoreRows** A program to make the workbench screen larger than normal. The number of additional rows and columns are set via command line arguments. By Neil Katinand Jim Mackraz FF54

**Moria** A single player dungeon simulation. The object of the game is to defeat the Balrog, which lurks in the

deepest levels of the dungeon. You begin at the town level above the dungeon, where you may acquire supplies, weapons, armor, and magical devices by bartering with various shop owners, before descending into the dungeon to do battle. Amiga enhancements include pull down menus, graphics mode, pickup mode, a continuous move mode, a real time mode, a message wait time mode, as well as other modifications to improve overall playability and to take advantage of the unique features of the Amiga. V3.0, binary only, requires at least 1Mb of memory. Author: Robert Alan Koeneke and others. Amiga version by Richard Henderson & others. FF194

**Morri** Morri in LoRes FF72

**MortCalc** Yet another loan calculator, but this one was written with accuracy in mind. The monthly payments times the number of months should balance the total principal plus interest, to the cent. Version 2.5, freeware, source included. Author: Michel Laliberte FF385

**Mosaic** Mosaic is a game played with a set of 81 two-by-two tiles on a 24-by-24 playing area. The objective of the game is to place your tiles such that squares of the same pattern are connected as much as possible. Version 1.0, includes source. Author: Kirk Johnson and Loren J. Rittle FF466

**Most** Text file reader that will display one or more files. The program will automatically format the text for you. Author: Russell Wallace AC5

**MostCurrent** Two programs that are to be used with B. Lennart Olsson's Aquarium program. The first program creates a new button called Most Current. The second program updates the index file so that the Most Current button is set for all entries that are the most current versions of their set. Version 1.0, includes source in C. Author: Peter A. Phelps FF417

**Mostra** Mostra is a shareware IFF utility featuring real-time unpacking scroll, dozens of options, smart analysis of any IFF file (FORMs, LISTs,.... also nested ILBM!), total control over display modes, simple slideshow processing, pattern matching, SHAM, an external link to show Dynamic Mode pictures, double buffering, fast decompression, color cycling, TexDocs, startup files for easy custom configurations and complete WB support, through ToolTypes and Style icons! This is version 1.14, an update to version 1.0 on disk 330. Binary only. Author: Sebastiano Vigna FF476, FF330

**mostriper** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Mount Mandelbrot** A 3D view of a Mandelbrot set. AM12

**Mounted** A little program to run from CLI scripts to find out if a disk is mounted or not. Includes source. By Peter DaSilva FF79

**Mouse Gadgets:** Faster BASIC mouse input. Author: Michael Fahrion AC9

**mouse** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**mouse pointers** Amicus 26 contains a group of mouse pointers and the Workbench program to display them. AM26

**mouse** Shows how to set up the gameport device as a mouse so that hooking up the mouse to the right port gives access to mouse information. Author: Rob Peck FF5

**MouseAccel** Yet another mouse accelerator, this one implemented as a commodity. If you find the built-in accelerator too slow, try this one. Requires AmigaOS 2.0. This is version 1.01. Includes german version and source in C. Author: Stefan Sticht FF497

**MouseBlanker** Blanks the mouse pointer after a defined timeout or if you press any key. Implemented as a commodity. Requires AmigaOS 2.0. This is version 1.13. Includes german version and source in C. Author: Stefan Sticht FF497

**MouseBounce** A short hack / game that makes your mouse pointer bounce around the screen. The object is to close the MouseBounce window and exit the game. Each time you click the mouse button, the pointer speeds up. With source. By Jonathan Potter FF204

**MouseClock** A clock and free memory display utility that generates a small display tied to your mouse, using two hardware sprites as the display area. Version 1.2, includes source. Author: Olaf Barthel FF279, FF69

**MouseCoords** A small assembly utility which shows you the current position of the mouse pointer. Can be 'jumped' to operate on any screen. With source in assembly. By Jonathan Potter FF287

**MouseMagic** A little gtag-program. Can be stopped by closing its window. Includes source in Modula II. Author: Robert Brandner FF549

**MouseOff** Enhanced and smaller version of MouseOff

released on FF73. MouseOff will cause the mouse pointer to disappear and then reappear if mouse movement is detected. Includes source. Author: Denny Jenkins, reworked by Tom Smythe FF75, FF73

**MouseReader** Shareware program, submitted by the author, to read text files and view IFF files using only the mouse. Binary only. Author: William Betz FF97

**mousetrack** A mouse tracking example in hires mode in AmigaBASIC. AM11

**MouseUtil** Intuition based program to allow you to change your mouse speed without having to go through preferences. V1.1, includes assembly source. By Luciano Bertato FF184

**MouseXY** A small utility that shows the mouse coordinates and the color at that position. It can be moved from screen to screen (automatically evacuates any closing screen). Is able to show coordinates even when you are moving/resizing windows or moving Workbench icons. This is version 1.1, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF543, FF483

**mouseport.c** Test mouse port. C program. AM4

**MovePointer** Moves the pointer to any specified location on the screen, specified by X-Y coordinates. With source. By 'Cewy' FF87

**MoveSYS** Reassigns SYS:, C:, S:, L:, LIBS:, DEVS:, and FONTS: to a new disk or directory in one step. Can be used from CLI or Workbench; just click it and shift-double-click a disk or drawer icon. More flexible and robust than some other programs written for the same purpose. It's small and pure. Second release (the one on disk 224 worked from CLI only). Includes source. Author: Paul Kienitz FF429

**MoveWindow** Move a named window to any arbitrary X-Y coordinate and possibly resize it at the same time. Includes source. Author: 'Cewy' FF87

**MovieGuys.pic** A still from an old movie in an IFF picture. AM6

**Movies** A RAM animation system with three different example animations; Kahnankas, Rocker, and F-15. Kahnankas won a close second in the Badge Killer Demo Contest. Both Kahnankas and Rocker run on a 512K Amiga and show off overscan HAM mode. Includes a animation player program (movie), animation builder programs (dibm, pilbm), and a text/graphics display program (vilbm). Authors: Eric Graham and Ken Offer FF116

**MP** A small, useful utility for sending any MIDI data back and forth between an Amiga and a MIDI instrument. Helpful for learning about MIDI, writing/debugging MIDI software, figuring out your instrument's system-exclusive implementation, and more. Very versatile. Version 1.0, includes source. Author: Daniel J. Barrett FF478

**MRARFile** Extended ARP file support package that adds an orthogonal set of routines which support generalized I/O with resource tracking while using the ARP library. Includes source. Author: Mark Rinfret FF281

**MRBackUp** A hard disk backup utility that does a file by file copy to standard AmigaDOS floppy disks. Includes an intuition interface and file compression. Version 5.02a, an update to version 3.4 on disk 327. Shareware, binary only. Author: Mark Rinfret FF465, FF327, FF279, FF270, FF170, FF129, FF128

**MRMan** A package which contains an Amiga document reading system similar to the 'man' command on UNIX systems. It offers a high degree of flexibility in the naming and placement of document files on your system. This is version 1.0 and includes source. Author: Mark Rinfret FF281

**MRPrint** A detabbing print utility that sends text files to either the printer device or the standard output. Besides expanding tabs, it will also generate page headers, line numbers, and new margins. Version 3.4, includes source. By: Mark Rinfret FF279, FF167

**ms2smus** converts Music Studio files to IFF standard 'SMUS' format. AM16

**MSClock** A clock utility, which displays memory, date, time and online time (if connected to another computer via modem) in the titlebar of the Workbench screen. This is version 1.3, includes source. Author: Martin Steppeler FF484

**MSDOS** A program to list files written in standard MS-DOS or Atari ST format. The files can then be copied to RAM and rewritten to disk in Amiga-DOS format. Binary only, Shareware, Version 0.1. Author: Frank W/bbeling FF158

**Msh** An Amiga file system handler that handles MS-DOS formatted diskettes. Version 1.30 (Release 1 patch 3). You can use files on such disks in almost exactly the same way as you use files on native AmigaDOS disks. This is a fully functional, read/write version, that supports 8, 9, or 10 sector disks of 80 tracks, and should also work on 40 track drives and hard disks with 12 or 16 bit FAT of any



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dimension the FAT allows. Update to version '1.5' (Release 1) on disk 327. Includes source. Author: Olaf Seibert FF382, FF327

**MSizer** A program that allows you to resize a window from any corner when holding down the left mouse button and the left Amiga key. Includes source. Author: Khaled Mardam-Bey FF285

**MT420d** Printer driver for the Mannesmann Tally MT420d. Update to the old version on disk 164. Includes a few bug-fixes. Author: Sascha Wildner FF436

**MTV** The Dire Straits moving company in an IFF picture. AM6

**MuchMore** Another program like more, less, pg, etc. This one uses its own screen to show the text using a slow scroll. Includes built-in help, commands to search for text, and commands to print the text. Works with PAL or NTSC, in normal or overscan modes. Supports 4 color text in bold, italic, underlined, or inverse fonts. Version 2.7, this is an update to version 2.5 from FF253. Includes source in Oberon and assembly code. Author: Fridtjof Siebert FF378, FF253, FF234

**MuchMorePoPa** Extended version of MuchMore V2.7. Displays texts that have been packed with PowerPacker. Version 2.7, includes source in Oberon and assembly code. Author: Fridtjof Siebert FF378

**mult** Mult reads the input comparing adjacent lines. In the normal case, the second and succeeding copies of repeated lines are output, and the remainder of the lines are removed. Repeated lines must be adjacent in order to be found. Options are present to output the first of multiple lines, for comparing adjacent lines by field only, and for specifying the field separator character. Kind of the opposite of the UNIX 'uniq' program. Author: Dennis FF6

**Multi-Forth:** Implementing the ARP library from Forth. Author: Lonnie A. Watson AC6

**Multi\_Player** A music player that loads and plays a large variety of the "tracker" type sound modules. With an intuition interface, allows you to load formats like Intuitracker, NoisePlayer, Soundtracker, FutureComposer and 7 others including power-packed modules! Includes many sample modules in several of these formats. This is version 1.2. Includes source. Author: Thomas Landsburg FF509

**Multic** Formats a single column of input into multiple side by side columns. Includes source. Author: Joel Swank FF304

**MultiCalc** Yet another RPN type graphic calculator. This one generates answers with extreme precision (if 3000 digits is enough!) Features a 48-digit scrollable display, mouse driven with lots of keyboard shortcuts, and iconification during non-use. Binary only. Author: Kenneth Johnson FF166

**Multidef** A program to scan a collection of object and library files and identify multiply defined symbols. This is useful to locate subtle problems where user defined symbols override library symbols. Author: Paul Jatkowski FF49

**Multidim** Lets you rotate a 2 to 6 dimensional 'cube' on the screen using the joystick. Author: Robert French FF18

**MultiInstall** A script driven program for the installation of larger program packages. Executes CLI like script files in a simple language. Version 1.0, includes source. Author: Stefan G. Boldorf FF548

**Multiplot** An intuitive data plotting program featuring flexible input options, arbitrary text addition, automatic scaling, zoom and slide with clipping at boundaries, a range of output file formats and publication quality printed output. Workbench printers are supported via transparent use of the PLT: device. This is version XLNd, an update to version XLNc on disk 373. Includes bug fixes, many new features, postscript and HP LaserJet III support, logarithmic axes. Author: Alan Baxter, Tim Mooney, Rich Champeaux, Jim Miller FF467, FF373, FF333, FF292

**MultiSelect** A small program that makes it possible to select several icons on the workbench without having to press the Shift key. V 1.0, with source in Modula-II. By Fridtjof Siebert FF253

**MultiSort:** Sorting and intertask communication in Modula-2. Author: Steve Faiwizewski AC2

**MultiTasking** Tutorial and example program for multitasking at the Exec level. Author: Leo L. Schwab FF20

**Multitasking in Fortran:** All the hard work is done here so you can multitask in Fortran. Author: Jim Locker AC6

**MunchingSq** Leo's 'Munching Squares' hack, now upgraded to take a single argument for a seed value. With source. By Leo Schwab FF87

**Muncho** A cute little program which plays a digitized sound sample when you insert or remove a disk from your drive. If you don't like the sounds, you can replace them with your own. Binary only. Author: Andrew Werth FF137

**Music** A collection of 14 Classical pieces. AM23

**Music Titrer:** Generates a titler display to accompany the audio on a VCR recording. Author: Brian Zupke AC8

**MusicCraft2SMUS** Amiga Music Player AM23

**MusicStudio2SMUS** Amiga Music Player AM23

**Mv** A Unix style mv/cp/rm program that moves, copies, or removes files. Includes interactive mode, recursive mode, and force quiet mode. Copies file permissions, dates, and comments, supports arp style wildcards, supports moves across volumes, honors the delete bit. V 1.1, with source. By Edwin Hoogerbeets FF219

**MVP-FORTH** Mountain View Press Forth, Version 1.00.03A. A shareware version of forth from Fantasia Systems. Runnable from the workbench, comes with icons and such. If you use this, please send a contribution to Fantasia Systems/Mountain View Press. FF9

**MWB** A program which will create a new 'WorkBench' screen and route by request OpenWindow calls meant for the WorkBench to these new screens. This allows you to run programs which normally open windows on the WorkBench screen to use a custom screen instead. V 1.01, with source. By Matt Dillon FF65

**MWTape** A tape handler which uses scsl.device to implement serial access to typical streaming tape devices. Includes source. Author: Markus Wandel FF445

**MxExample** Example of mutual exclusion gadget handling. Author: Davide Cervone FF31

**MxGads** Demonstrates how to make mutual exclusion of boolean gadgets work, even if they contain Gadget Text. Author: Willy Langeveld FF52

**MXMLib** An example Amiga shared library compiled with Aztec 'C' 5.0. This library contains basic support functions employed by programs such as KeyMacro or PrintHandler. In short: mxm.library is the standard MXM system support library. Version 34.14, includes source. Author: Olaf Barthel FF354

**My.lib** A binary only copy of Matt's alternate run time library. Author: Matt Dillon FF46

**MyCLI** Another CLI for the AMIGA. By Mike Schwartz FF4, AM9

**mydev.asm** Sample device driver. Assembler file. AM5

**mydev.i** Sample device example. AM5

**mylib.asm** Sample library example. Assembler file. AM5

**mylib.i** Sample library example. AM5

**MyMenu** MyMenu allows you to add your own menus to the WorkBench menu strip, to run commonly used commands. MyMenu will allow you to execute both CLI and WorkBench programs, and is configured with a normal text file. Includes source. Author: Darin Johnson FF225

**MyUpdate** A disk update utility that also provides support for automatically stripping comments from C header files and for interactive verification on a per file basis. Author: JoeMueller FF49

**Nag** A shareware appointment calendar with it's own editor and a unique 'nagging' feature utilizing the Amiga's voice and audio devices. Version 1.6, binary only. By Richard Lee Stockton FF161

**NameGame** A game based on a popular type of word skill puzzle contest generally sponsored by newspapers. Binary only. Author: Mike Savin, Gladstone Productions FF256

**Names** A shareware program to create and manage mailing lists. Binary only. Author: Ernie Nelson FF122

**Nart** Another display hack from the master himself... Includes source. Author: Leo Schwab FF66

**NComm** A communications program based on Comm version 1.34, by DJ James, with lots of very nice enhancements. Has hot keys for most program functions (including dialing up to 10 phone numbers), PAL and NTSC support for normal or interlaced screens, screen I/O greater than 2400 baud, ANSI/VT100 terminal emulation with full 8 color text support, IBM graphics, optional translation styles, split screen mode, full user control of color palette, full support for all European languages, full serial port control with baud rates up to 19200, script language, phonebook, keyboard macros, and more. Also includes several auxiliary programs such as AddCall, CallInfo, GenList, PbConvert, and ReadMail. This is version 1.9, an update to version 1.8 on disk 230. Binary only. Author: DJ James, Daniel Bloch, Torkel Lodberg, et al. FF356, FF246, FF230

**NDebt** Amusing, but saddening, this program opens a small window that displays a continuously updated tally of America's national debt, based on its historically phenomenal growth rate. Version 1.1, includes source. Author: Ron Charlton FF366

**Ndir** Library that implements the 4BSD UNIX directory access routines (opendir, closedir, readdir, etc). Includes source in C. Author: Mike Meyer FF92

**NEC 8025A** Printer driver for the NEC 8025A. AM9

**Nemesis** This demo is Mark's entry to the Badge Killer Demo Contest. It is quite small for what it does, and won fifth place in the contest. Binary only. Author:

Mark Riley FF127, AM25

**NetHack** A screen oriented fantasy game where your goal is to grab as much treasure as you can, retrieve the Amulet of Yendor, and escape the Mazes of Menace alive. On the screen is a map of where you have been and what you have seen on the current dungeon level. As you explore more of the level, it appears on the screen in front of you. Nethack generates a new dungeon every time it is played, thus even veteran players will continue to find it entertaining and exciting. This is version 3.0, patch level 10, an update to version 2.3 on disks 189 and 190. Binary only, source available. Author: Various, see documentation. FF460, FF189 & 190

**NetHandler** The Software Distillery's network file system handler (NET:), using Matt Dillon's DNET to mount one Amiga's devices on another Amiga. It also serves as an example file system written entirely in Lattice C. Version 1.0, includes source. Author: Software Distillery FF248

**NetWork** Another program in the long tradition of 'screen hacks' for the Amiga. Won't spoil the surprise by saying what it does. V1.0, includes source in Modula-II. By Fridtjof Siebert FF234

**NeuralNet** Example of Neural Net programming converted to JForth. Demonstrates a programming technique that many say is the wave of the future for software. This is a simple demo that shows neural propagation. Standalone image with source code. Author: Robert E. La Quey, ported by Jack Woehr FF239

**NeuralNets** A neural network example using the generalized back-propagation delta rule for learning, specifically applied to the tabula rasa Little Red Riding Hood instance. Author: Josiah C. Hoskins FF160

**NeuronalNets** Binary programs for playing with Neuronal Nets using Hopfield & Hamming algorithms. By Uwe Schaefer. FF326

**NewDemos** Some new demos, including replacements for the standard 'lines' and 'boxes' demos, that use only a few percent of the CPU time, so it is reasonable to have lots of them running simultaneously to demo multitasking. Binary By Steve Koren FF90

**NewEx** An assembly program to replace xicon, IConX and similar utilities. Unique in the fact that it uses a WorkBench Tool icon instead of a Project icon. This allows workbench startup of programs that could ordinarily only be started by the CLI. Version 1.1, includes assembly source. Author: Kjell Cederfeldt FF368

**NewFonts** Set of 28 new Amiga fonts. Author: Bill Fischer FF34

**NewFonts** Two new fonts; shalt18, an electronic circuit element font, and ibm5, a PC like font, different from that for Sidecar. Author: Peter Kittel FF71

**NewIFF** Some new IFF material dealing with sampled voice and music IFF files. Posted to usenet by Carolyn Scheppner FF44

**NewList** A powerful LIST command. Supports many features including sorts, character filters, case sensitivity, most options offered by LIST, date construction, UNIX wildcards, and much more. Sort routines are very fast and memory usage is minimal. Version 5.0a, an update to version 5.0 on disk 501. New features include recursion, hunt mode, custom formatting, multiple paths, paging, and much much more. Binary only. Author: Phil Dietz FF513, FF501, FF478, FF461

**NewLook** A program that changes the system gadgets in all the screens and windows. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**NewPackets** Tutorial downloaded from BIX C-A support section, which describes some new packets and structures in 1.2 AmigaDOS. Author: Carolyn Scheppner FF65

**Newscaster.pic** A TV newscaster in an IFF picture. AM6

**NewShellCX** An "open shell on hotkey" commodity (like PopCLI). Requires AmigaOS 2.0. This is version 1.05. Includes german version and source in C. Author: Stefan Sticht FF497

**NewStartups** A couple of new Cstartup modules. AStartup.asm is the source to AStartup.obj, with 1.2 fixes and better quote handling. TWStartup.asm is like AStartup.asm but opens a studio window, using a user supplied window specification, when executed from workbench. Author: Commodore, posted to BIX by Carolyn Scheppner FF55

**NewStat** Replacement program for the Amiga DOS STATUS command. Prints task number, priority, address of process, command line being executed, current directory, etc. Author: James Sygne FF38

**Newton** Uses the 'Newtons Method' algorithm to estimate both real and imaginary roots of a polynomial of degree 20 or less. Version 1.0, includes source. Author: Daniel Barrett FF164

**NewZAP** A third-generation multi-purpose file sector editing utility, from the author of FileZAP. Displays

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and edits full 512-byte sectors via a 106 character wide internal font. Includes a search feature to find specific strings or hex digits, forwards or backwards. Update to version on FF 58. Version 3.18, Binary only. Author: John Hodgson FF164, FF58

**NGC** Yet another virus check program. Checks the bootblock on all inserted floppy disks and reports non-standard ones. Checks the jump tables of all resident libraries and devices and reports suspicious entries. Version 1, includes source in assembly. Author: Ulf Nordquist FF238

**NGTC** Release Two of a trivia game based on "Star Trek: The Next Generation" TV series. Part 1 is on this disk. Part 2 is on disk 507. You also need Release One from disks 404 and 405. Created with The Director Version 2. Binary only. Author: Gregory Epley FF506, FF405, FF404

**NGTC** Release Two of a trivia game based on "Star Trek: The Next Generation" TV series. Part 2 is on this disk. Part 1 is on disk 506. You also need Release One from disks 404 and 405. Created with The Director Version 2. Binary only. Author: Gregory Epley FF507

**NGTC** Release Two, Revision 1, of a trivia game based on "Star Trek: The Next Generation" TV series. This is a bug fix containing a new game module. You also need Release Two from disks 506 and 507, and Release One from disks 404 and 405. Created with The Director Version 2. Binary only. Author: Gregory Epley FF538

**NiftyTerm** NiftyTerm is an h19/VT102/VT52 emulator for the Amiga. It was originally designed to be used with DNet, but it has been expanded so that it may be used as a normal terminal emulator. Niftyterm was designed to be a good emulation of these terminals, as well as being fairly small and fast. Version 1.0, binary only, source available from authors. Author: Christopher Newman, Todd Williamson FF403

**NiftyTerm** NiftyTerm is an h19/VT102/VT52 emulator for the Amiga. It was originally designed to be used with DNet, but it has been expanded so that it may be used as a normal terminal emulator. Niftyterm was designed to be a good emulation of these terminals, as well as being fairly small and fast. Version 1.2, an update to version 1.0 on disk 403. Binary only, source available from authors. Author: Christopher Newman, Todd Williamson FF485

**NightMare** A handy little program that uses 'shock' techniques to scare people. Fun to watch while someone else is using your computer. Version 1.0, binary only, source available from author. Author: Patrick Evans FF448

**NLCalc** A calculator program that uses the NL 3D look (see NLDaemon on this disk). It will open on any screen at the touch of a function key. Version 3.1.2, includes source. Author: Davide Cervone FF497

**NLDaemon** Implements a "New Look" in Amiga programs, by using 3D-like gadgets. Converts standard intuition window gadgets into 3D versions. Version 1.4.3, includes source. Author: Davide Cervone FF497

**NoCare** This utility speeds up your windowing environment. The OpenWindow vector is patched. When someone tries to open a window in the workbench screen, the lower refreshbit in the nw\_Flags field is cleared. This way, only NOCAREREFRESH windows will be opened, resulting in faster window movements. Windows opened in customscreens are not affected. This is version 1.5. Assembly source included. Author: Raymond Hoving FF480

**NoClick** A program to stop drives clicking in KickStart V2.0. Uses the correct method. Also included is a patch for the kickstart files for a permanent no-click for V1.3 and V2.0, both A3000 version and kickfile version for other Amigas. Binary only and ASCII patch. Author: Nic Wilson FF501

**NoClick** A program which silences the clicking of empty drives on the B2000 under AmigaDOS 1.3. It should also work on an A500. This is version 3.6, an update to version to version 3.5 on disk 243. Includes assembly source code. Author: Norman Iscove FF246, FF243, FF241, FF231

**NoDelete** This program pops up a requestor to alert you of a file deletion being attempted via DeleteFile() and allows you accept or cancel it. This also pertains to any files you attempt to delete via delete. Version 1.5a source is included. Author: Uwe Schurkamp FF477

**NoErrors** A simple to use, Gadget driven program. Its main function is to hide physical hard errors from floppy disks or hard disks, so these disks can then be used without DOS showing read/write errors. Binary only. Author: Nic Wilson FF501

**NoFragLib** A library containing 6 routines for

defragmenting memory. Extracted and updated from the "tool.library" on disk 475. Includes source.

Author: Jan van den Baard FF503

**NolconPos** This program clears the position info of any of your icons to allow WorkBench to pick a reasonable place for the icon again. Useful for disk and drawer icons where Snapshot rewrites the icon and the window information. Written in Modula-2, another demo for M2Amiga, showing the simplicity of programming with this Modula-2 compiler. By Markus. Schaub FF113

**NoReq** A very short program that alternately turns on and off the DOS requesters. Useful for bulletin boards or other systems that may be unattended for long periods of time. Includes source in assembly. Author: Jonathan Potter FF412

**NorthC** A freely redistributable programming package containing all the programs required for developing in C. Based on the Sozobon Ltd C compiler, Charlie Gibb's assembler, the Software Distillery's linker, and portions from other sources. Steve has pulled everything together and added some enhancements in the process. This is version 1.2, an update to version 1.1 on disk 353. Changes include extra examples, many bug fixes, further documentation and some improvements. The environment is supplied compressed and unpacks to two disks. Partial source is included. Author: Steve Hawtin, Charlie Gibb, Sozobon Ltd, The Software Distillery and many others. FF384, FF353, FF340

**NoSmoking** Sample program showing the use of a recoverable alert while displaying a personal health message. Includes source. Author: Theo Kermandis FF155

**NotBeingAgain** Dr. Gandalf's entry for the First Annual Badge Killer Demo Contest. It is an interlaced HAM animation with nicely integrated sound effects. It is a great visual pun on the original Boing demo, but to say anymore would ruin the effect. Binary only, requires 1 Mb of memory. By Dr. Gandalf (Eric J. Fleischer, MD) FF200

**NoVirus** Another Anti-Virus utility. This one features known and new virus detection, view boot block, save and restore bootblocks, several 'Install' options and more. Written in assembly. This is version 3.31, an update to version 1.56 on disk 180, and is a limited demo of the commercial version. Binary only. Author: Nic Wilson FF421, FF180

**Nro** Another roff style text formatter. This is version 1.5, an update to the version released on disk 79. New features include generation of ANSI/ISO codes for bold, italics, and underline, more than one formatting command on a line, longer macro names, and many more formatting commands. Includes source. Author: Unknown, posted to usenet by Alan Vymetalik Many enhancements by Olaf Seibert FF197, FF79

**NTSC-PAL** Two programs that give A500/A2000 owners with the new ECS 1Mb Agnus installed the ability to boot into either a NTSC or PAL environment. "Very" useful for both NTSC and PAL owners alike. Version 1.1, includes assembly source. Author: Nico François FF387, FF331

**NuHand** An animation of a hand with fingernails scraping on a desktop, including sound effects. An entry in the 1988 Badge Killer Demo Contest. Binary. By Bryan Carey Gallivan FF210

**Null** A new dos device that behaves like 'NIL.' but unlike 'NIL.', it is a real handler. It is useful in lots of situations where 'NIL.' cannot be used. V 0.0, with source. By Gunnar Nordmark FF188

**OakLisp** A straight port of the OAKLISP system to the Amiga. OAKLISP is a Scheme-like LISP with an object-oriented base. An R3RS Scheme environment is included in the package. Because of its size, the distribution is made on two disks, 519 and 520. Both disks are required. Source is included. Author: Kevin Lang, Barak Pearlmuter, ported by Mike Meyer FF519 & FF520

**Oberon** A freely distributable demo version of a powerful Oberon compiler. Oberon is a modern, object oriented language developed by Prof. Dr. Niklaus Wirth of ETH Zürich in Switzerland as a successor to Modula-2. This single pass compiler creates standard Amiga object files, uses a large variety of optimizations to create fast code, supports writing of reentrant programs, allows you to call code from other languages like C and Assembler, etc. The package includes the compiler, an editor, a link utility, a program to display compilation errors and some demo programs. Version 1.16, binary only. Author: Fridtjof Siebert FF380

**objfix** Makes Lattice C object file symbols visible to Wack, C program. In C source code and executable. AM1

**Observer** Working example for a Lattice LSR-program. Opens a small window and displays volume names of all inserted disks (DF0: through DF3:). Includes source in Lattice C. Author: Oliver Wagner FF378

**Obsess** Obsess-O-Matic is a real-time puzzle game like

Tetrix where the object is to fit the falling pieces together to form complete horizontal rows. Features such as burning, exploding, and invisible pieces enhance game play. Other features such as a puzzle piece editor are included in the version available directly from the author. This is version 1.0, shareware, binary only. Author: Wayne Phillips FF305

**OctaMEDDemo** Player program and sample songs for OctaMED, a special version of MED that can play 8 tracks at once on a standard Amiga without extra hardware. The sound quality is not as high as with 4-channel sound but is good enough for many purposes. Binary only. Author: Amiganuts United FF533

**Oing** Displays a window full of little bouncing balls. By Leo Schwab FF33

**Oing, Sproing, yaBoing, Zoing** are sprite-based Boing! style demos. dln C source code and executable. Documentation included. AM14

**Okidata ML-92** Printer driver for the Okidata ML-92. AM9

**OkidataDump** Okidata ML92 driver and WorkBench screen dump program. Does both alpha and graphics. Untested (I don't have the printer). Author: Raimund Gluecker FF15

**OldMan** Shades of Santa digitized in an IFF picture. AM7

**On Your Alert:** Using the system's salerts from AmigaBASIC. Author: John F. Wiederhirn AC4

**one.window** Produces a window with a console attached. Does graphics in the top half and limits the console activity to the lower half. Author: Rob Peck 12/18/85 FF5

**OneKey** A 1.3/2.0 compatible input handler for people who can only press (or cause to be pressed) one keyboard key at a time. OneKey gathers individually pressed qualifier keys (shift, alt, control, etc) and then applies them to the next non-qualifier key that is pressed. This is version 36.11, includes source. Author: Carolyn Scheppner FF511

**OnePlane** Removes the highest number bitplane from the WorkBench screen. Normally used to take Workbench screen from 2 bitplanes to 1 bitplane. This allows CON: style devices to scroll text faster. Includes source. By Ethan Dicks FF329

**OnlyAmiga** This animation is Iqbal's entry to the Badge Killer Demo Contest. It consists of tree balls being juggled by pyramids rotating on their tops. Author: Iqbal Singh Hans FF126

**OnlyAmiga** This demo is Rob's entry to the 1989 BADGE Killer Demo Contest, where it won 9th place. It demonstrates sound, multitasking, HAM color, the blitter, and more. Binary only. Author: Rob Peck FF268

**OnTime** Holds up a task until a given time and then releases it to run. Version 1.0a, binary only, source available from author. Author: Patrick Evans FF448

**OOPS!** Tired of the monochrome background color of your Workbench or CLI? Then try this colorful screen hack to brighten things up! Includes source. Author: Joerg Ansliek FF156

**OP55c** OP55c is a compiler for the expert system language OP55. The compiler takes OP55 source code as input and creates a C source code file to be compiled to create an executable. Arbitrary C code may be linked with the executable and executed as a result of firing rules. The system's strong point is its speed and as a result it sometimes has large executables and large memory requirements. At least 1 Meg. of memory is suggested. Binaries only for compiler and run-time library. Version 1.08a. Requires a C compiler. Authors: Bernie J. Lofaso, Jr, Dan Miranker and Arun Chandra. FF358

**Optical** Draw several optical illusions. A BasiC program. AM1

**optimize** An optimization example from an AC article, in AmigaBASIC. AM11

**Optimizer** A disk optimizer that works on floppy disks, hard disks, and ram disks. It is designed to provide safe optimization, moving only one block at a time. Version 1.0, freeware, binary only. Author: Tim Stotelmeyer FF519

**OptMouse** A program which allows you to use a Mouse Systems M3 serial mouse on the Amiga and instructions which allow a serial mouse to be modified to plug directly into the Amiga mouse port. Useful as an example of how to 'fake' mouse movements and may be of use in writing drivers for digitizers, light pens, and the like. Includes source. Author: Ed Hanway FF445

**Orbit** Plots the ground trace of satellites on a map of the earth, using the orbital elements for some 130 satellites, from a list which is updated every two weeks on Compuserve. Version 1.2, binary only. Author: Timothy Middendorf FF289

**organ minor chord** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Orthello** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not

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certain whether which of the two early basics this program used. FF13

**OSK** A software keyboard, which allows you to type using the mouse. Can be made to send keystrokes to any window, and can be iconified. This is version 1.2, an update to the version on disk 287. Binary only. Author: Jonathan Potter FF412, FF287

**Othello** An AmigaBASIC Program of the oriental game known as 'go'. AM8

**Othello** Another game in ABASIC by the author of Monopoly. Author: David Addison FF28, AM1

**Othello** Othello game, binary only. By Matthew Bellew FF90

**OverScan** Patches the Intuition library so that sizable windows with MaxHeight of 200 (400 in interlace) and screens with Height of 200 (400 in interlace) will take advantage of the PAL overscan capability of Intuition V1.2. This seems to be useful only for European users that wish to run software written for the American market, without modifying the applications, but still using the additional space. Includes source. Author: Ari Freund FF133

**ownlib.asm** Example of making your own library in Assembly with Lattice. C program. AM4

**ownlib.c** Example of making your own library in C with Lattice. C program. AM4

**P2C** P2C is a tool for translating Pascal programs into C. It handles the following Pascal dialects: HP Pascal, Turbo/UCSD Pascal, DEC VAX Pascal, Oregon Software Pascal/2, Macintosh Programmer's Workshop Pascal, Sun/Berkeley Pascal. Modula-2 syntax is also supported. Most reasonable Pascal programs are converted into fully functional C which will compile and run with no further modifications. V1.13 Includes source. By Dave Gillespie, Amiga port by G. R. (Fred) Walter FF341

**Paccer** A pacman clone with sound and a game screen editor. V1.0, shareware, binary only. Author: Dirk Hoffman FF223

**Pack** Program to strip extraneous whites pace from C programs or header files. Can be used to condense the C compiler header files to free up disk space. Author: Jeff Dickson FF20

**Pack-It** Pack-it will take all the files and directories on a disk and pack them into a single file for electronic transmission via modem. Binary only, shareware. Author: Gary Kemper FF103

**PacketSupport** A link library, for use with Lattice C, providing a few functions to handle DOS packet postage. Includes source. Author: Oliver Wagner FF346

**PacMan87** This is a nice little 'pacman like' game with some new features like fire pits, stabbing knives, electric arcs and flame throwers, that must be avoided. Has three levels of difficulty, easy, medium, and hard. Sounds can be toggled on or off. Keeps a record of the top ten scores. Shareware, binary only. Author: Steve Jacobs and Jim Boyd FF192

**PageCnt** Counts and displays the number of form feeds in a file, along with the length of the longest line. Version 1.0, includes source. Author: Joel Swank FF304

**PagePrint** Prints text files with date/time header, page breaks, and line numbers. Suggested \$10 donation. By Phil Mercurio FF40

**PageSetter** Freely distributable versions of the updated PagePrint and PageIFF programs for the PageSetter desktop publishing package. AM18

**Paint** A simple screen painting program, written in web. Requires web preprocessing program to rebuild from source. Includes source in web. Author: Greg Lee FF128

**PaintBox** Simple paint program. ABASIC program. AM1

**PaintCan.pic** The PaintCan in an IFF picture. AM6

**PaintJet** An 'official' Hewlett Packard PaintJet printer driver received directly from HP sources. Author: Unknown FF129

**Palette** A tool which allows you to change another program's custom screen colors. This is version 1.1. New features include checks for WorkBench startups, checks for HAM, Half Brite, or more than five bitplanes, and more graceful exits. Includes source in assembly. Author: Randy Jouett, CJ Cruge, Carolyn Scheppner, Charlie Heath FF330, FF55, FF1

**PaletteReq** An easy way to set the palette of any screen from your program. Includes source. by: Jonathan Potter FF242

**PalTest** Example code of how to determine dynamically whether or not you are running on a PAL machine. Includes source. Author: Christof Bonnkirch FF87

**Panasonic KX-P10xx** Printer driver for the anasonic KX-P10xx family of printers. AM9

**Panel** A universal MIDI patch panel that allows MIDI parameter info to be sent from the Amiga to any MIDI device that can accept param info Version 1.2, binary only. By David Weinbach FF82

**parallel** Demonstrates access to the parallel port. Author: Tom Pohorsky FF5

**parallel** Text, parallel port spec. AM5

**Paranoids** An asylum escape game. Paranoids is a tradi-

tional board game played by drawing cards, rolling dice, and moving pieces around the board. Each player has six pieces, four patients and two doctors. The object of the game is to get all of your patients out of the asylum. This is version 1.0, binary only. Author: Richard Anderson and Gary Teachout FF250

**paratest.c** tests parallel port commands. C program. AM4

**ParM** Parameterable Menu. ParM allows you to build menus to run whatever program you have on a disk. ParM can run programs either in WorkBench or CLI mode. This is an alternative to MyMenu which can run only when workbench is loaded. ParM can have it's own little window, can attach menus to the CLI window you are running it from, or to the WB menus, just like MyMenu. This is version 3.00, an update to version 2.5r on disk 419. Includes source in C. Author: Sylvain Rougier, Pierre Carrette FF540, FF419, FF375

**ParNet** The Software Distillery's NET: file system using Matt Dillon's parallel port code. Using a special DB25 cable, two Amigas can be connected via the parallel port. One Amiga can mount the other as a device and read/write the files as if they were local. Version 2.4, binary only. Author: Doug Walker, John Toebes, Matt Dillon FF400

**ParOut** Shows how to allocate and communicate directly with the parallel port hardware from an assembly language program. With source. By Jeff Glatt (original code by Phillip Lindsay) FF237, FF73

**Parse** A recursive descent expression parser that parses expressions, computes the expression value, and prints it. Includes support for some built in transcendental functions. Includes source in C. Author: John Olsen FF92

**Parsnag** A program to aid in performing color separations on Epson JX-80 printers. Includes source. By John Hodgson FF165

**ParTask** Example program for finding the parent task of your current task. Includes source. Author: Andry Rachmat FF79

**PascalToC** A Pascal to C translator program which is supposed to correctly handle function, procedure, and most type declarations. However, this quick and dirty port didn't fare too well on even a simple little Pascal fragment from Software Tools in Pascal. I don't know if the problem is machine dependencies in the code or bugs. Looks like it could be useful with a little more work than I have time to put into it now. Includes source. Author: James Mullens, enhancements by Dan Kegel FF65

**Password** A program which enhances your computers security by making it complicated enough that users without your password will get discouraged trying to boot and use your system. This should keep out most casual or nontechnical users. Update to version on FF#243. Version 1.42p, binary only. Author: George Kerber FF365, FF243

**Paste** A version of the UNIX paste utility. Paste concatenates corresponding lines of the specified files into a single output line (horizontal or parallel merging) or concatenates them into alternate lines (vertical or serial merging). Includes source. Author: David Ihnat FF136

**Patch** A port of the very useful UNIX utility which applies context diffs to text files to automatically update them. This is a port of version 2.0.1.6 (patch level 12), which Eric has dubbed Amiga version 1.0. Includes source. Author: Larry Wall, Amiga port by Eric Green FF296, FF129, FF13

**PatchCompiler** A program to generate patches using a Pascal like language to describe what needs to be patched. This is version 1.0. Includes source in assembly. Author: Roger Fischlin FF437

**PatchLoadSeg** This program patches the loadseg routine to automatically detect link viruses when a program is loaded. Displays an alert when a virus is detected in a program being loaded for execution. Version 1.20, includes source. Author: Pieter van Leuven FF331

**PatchNTSC** OS fix to allow the growing number of PAL display programs to be run on NTSC machines. Will patch the Intuition OpenScreen() function to assure screens with PAL height to be opened in interlace mode. Includes source in assembler. Author: Oliver Wagner FF346

**PatchReq** A patch for system requesters and arp file requester. Replace arp file requester with the great req library file requester. Patches AutoRequest() for requesters to appear under the mouse and more. Version 1.4. Includes source in C. Authors: Sylvain Rougier, Pierre Carrette FF540

**PatEdit** A pattern editor for creating patterns to input to the Amiga SetAfft macro call. This call sets the area fill pattern for the area filling graphics calls such as RectFill, AreaDraw, etc. Includes source. Author: Don Hyde FF130

**Path** An interesting concept in path-searching. This program contains a path-handler that allows you to selec-

tively control or assign your system's search path using script files. Includes source. Author: Rico Mariani FF177

**PathMaster** A file requester with lots of features. Can be easily configured by the programmer to suit a variety of applications. Includes source. Author: Justin McCormick FF245

**PatternLib** A sharable library which implements AmigaDOS pattern matching, and a program that compiles 'fd' files into library headers and interface stubs. Includes source in Draco. Author: Chris Gray (?), posted on BIX by Jeff White FF254

**Pauky** Demo version of an English to German (and vice versa) word translation trainer. Version 1.2, binary only. Author: David Wetzel FF498

**PaulCopy** A single drive disk copier for Amigas with 1 Meg of RAM. Copies the source disk completely into memory in one go. Will also work with 512K Amigas, yet will require multiple disk swaps. Version II, includes assembly source. Author: Paul Hayter FF537

**PBar** An editor to change the pattern in the windows drag bar and save the pattern as an executable file with an icon looking like the pattern. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**PBlanker** An enhanced Workbench 2.0 commodity, replacing "Blanker". Can blank screen and mouse pointer separately. This is version 37.04. Needs Kickstart 37.xx. Binary only. Author: Bernd Preusing FF536

**PBlanker** An ultra tiny Screen-Blanker/ Mouse-Blanker/Mouse-Accelerator thingy. Is about 700 bytes and doesn't have to be RUN. Version 1.3, includes assembly source. Author: Paul Hayter FF537

**PCalender** A little calender program which lets you look through years and months using the arrow-keys. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**PCBTool** An early version of a shareware PC Board layout program Lots of options including variable size pads and traces, grids, grid snap, layers, zoom, selectable centering, text and more. This version does not support printer / plotter dumps or libraries. Version 2.6, binary only. Author: George Vokalek FF158

**PCKeyMap** This program uses an InputEventHandler to manipulate the backslash (\) and some other useful keys in order to better emulate an XT/AT keyboard on the German Amiga keyboard (which is missing the backslash and some other keys). This is version 1.0. Includes source. Author: Peter Vorwerk FF509

**PClock** A little clock program which shows the time and the available CHIP and FAST memory. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**Pcopy** An intuition based disk copier for AmigaDOS disks featuring high speed diskcopy with write verify, data recovery from damaged tracks, full multitasking compatibility, and a user friendly interface. This is version 2.12, an update to version 2.11 on disk 383, with new data recovery routines and some bug fixes. Binary only. Author: Dirk Reisig FF402, FF383, FF243, FF151

**PcPatch** Patches for PCCopy and PCFormat from the EXTRAS disk, to allow reading, writing, and formatting of any kind of MS-Dos style disks, including 720K 3.5" diskettes. Binary only. Author: Werner Guenther FF218, FF163

**PCQ** A freely redistributable, self compiling, Pascal compiler for the Amiga. This is version 1.2a, an update to version 1.1c on disk 339. It has many enhancements and improvements. It is bundled with the latest versions of A68K assembler, Blink linker, Debug, and Mon to give a complete development environment. Includes the compiler source and example programs. Author: Patrick Quaid FF503, FF339, FF183

**PCQ** An update to PCQ from disk 503. This is only a partial distribution and includes just the compiler main pass, the documentation, and a ReadMe file. You need the distribution from disk 503 to use this material. This update is version 1.2b. Author: Patrick Quaid FF511

**PCStatus** Bridgeboard user's program that displays the status of the CAPS, NUM, INS, and SCROLL key in a separate window on every PC screen. Also, both the Amiga and the PC will use the same status of the Caps Lock key. Version 2.0, shareware, binary only. Author: Alexander Hagen FF411

**PcView** Provides the PC community with the opportunity to display IFF pictures to the best of EGA's ability. Displays Amiga pics, IBM-PC/Deluxe Paint Pics, Apple II-GS Deluxe Paint Pics, and others in the IFF standard format. Includes source. Author: John Hodgson FF164

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**PDC** Publicly Distributable C (PDC) is a complete C compilation system including a compiler, assembler, linker, librarian, and numerous utilities, documentation files, libraries, and header files. PDC supports many ANSI features including all ANSI preprocessor directives, function prototyping, structure passing and assignment. In addition it supports Lattice C compatible libcall pragmas, precompiled header files, builtin functions, and stack checking code. This is version 3.33 and includes full source. Author: Lionel Hummel, Paul Petersen, et al. FF351

**Pdc** An optimizing C compiler for the 68000 processor. Major porting work was done by Jeff Lydiatt to get it to the point where it would compile and execute simple programs on the Amiga. This version now generates metacomco-compatible assembler source code, which can be assembled by the assembler also provided on this disk and then linked by the freely redistributable linker 'blink' (also provided). Includes all compiler source and some library and startup source code. Requires amiga.lib from developers kit to generate complete running example executables. Author: Matthew Brandt; major porting work by Jeff Lydiatt. FF110

**PDScreen Dump** C program which dumps Rastport of highest screen to printer. AM8

**pdtterm** A simple terminal emulator that does ANSI or DEC VT-100 emulation in 80 cols by 25 lines. Version 1.21. Author: Michael McNerny FF14

**PearlFont** A font similar to Topaz, but with smoothed out edges and more rounded characters. Author: Michael Portuesi FF61

**Pemacs** Microemacs as enhanced by Andy Poggio. New features include use of <ALT> keys as Meta keys, default buffers on buffer switch, mouse support, higher priority to improve interactive response, creation of backup files, paragraph fill, word wrap, query replace, and support for function keys Author: Dave Conroy, enhancements by Daniel Lawrence FF22

**pena** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**PennyWise** An easy to use, flexible cashbook program using an Amiga Intuition interface. It can be used to keep track of the financial transactions of a cheque, bank, business, or similar account. Shareware, binary only. Author: Pierre A du Parte FF273

**PenPalFont** A font which will make your six year old feel right at home in a CLI window. Cute. Author: Burton Ogdan FF73

**people talking** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**PeopleCable** IFF picture resembling an old BYTE cover. AM7

**Pere-et-Fils** Example of creating and using reentrant processes. Includes source. Author: Jean-Michel Forgeas FF105

**PerfectSound** Perfect Sound demo, with a sound editor and sample sound files. Looks very nice. Author: Anthony Wood FF50

**Perl** Practical Extraction and Report Language, an interpreted language optimized for scanning arbitrary text files, extracting information from those text files, and printing reports based on that information. Author: Larry Wall FF161

**PersMail** Demo version of shareware personal/personnel file manager. Includes list processing, capability to run mailing labels, mail merge output feature, and more. Demo version is binary only and limited to input mode. Suggested donation of \$24 for the 'real' version. Author: Breen and Associates FF67

**PetCLI** An AmigaBASIC program that allows editing in CLI command lines (similar to the PET and MYCLI). Includes source. Author: Peter Kittel FF71

**PetersQuest** This cute game has you, the intrepid Peter, following a trail of hearts through a world of 20 levels, riddled with porcupines and other hazards, to rescue Daphne, the love of your life that has been kidnapped by the evil Brutus. Version 1.0, binary only. Author: David Meny FF224

**PETrans** translates PET ASCII files to ASCII files. In C source code and executable. Documentation included. AM14

**PeX** A demo of the various graphics capabilities of the Amiga. Author: Unknown (no documentation included) PictureGarden Another demo, apparently in compiled basic. Author: Unknown (no documentation included) FF206

**PF** A CLI/Workbench interface to control an Hewlett-Packard DeskJet 500 printer, enabling the user to select an internal font and to print one or more files, or to initialize the printer. Version 2.10, includes source (SAS-C) Author: Maurizio Loreti FF539

**Pfiler** A very good and small file requester to link onto your own programs. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**PhoneGram** Generates text from phone numbers.

Attempts to find all three and four letter words encoded by any phone number. Graphic keypad display with sound. Version 1.01, binary only. Author: Martin C. Kees FF516

**Piano** Simple piano sound program. AM21

**PicBase** A program that allows the user to organize and manage all IFF images and brushes stored on disk. Displays a miniature monochrome (8 or 16 level) image of each file, with information such as the full pathname, the creation date, file size, image size and depth, display mode, and filenote. The images are displayed four at a time and can be scrolled in realtime, manually or automatically sorted, presented as a slideshow, and more. Version 0.36, shareware, binary only. Author: Mike Berro FF527

**PickPacket** PickPacket gives you a visual display of the DosPacket structures that are sent to handlers, and lets you see the results. You can actually perform handler operations such as open files, read or write data, Examine or ExNext locks, and so forth, all by talking directly to the file system handler involved using PickPacket. V1.0, with source. Authors: John Toebe and Doug Walker FF227

**Pics** Some miscellaneous pictures with a cartoon theme. Author: Bob McKain FF394

**PicSaver** A small utility that allows you cut rectangular portions of any screen and store them on disk as IFF ILBM files. Also allows easy saving of windows and entire screens to disk. This is version 1.1, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**PicToANSI** Converts a one bit plane 320x200 IFF picture to a file that displays the picture on any ANSI compatible terminal. Binary only, source available from author. Author: Patrick Evans FF448

**PicSaver** A small utility that allows you cut rectangular portions of any screen and store them on disk as IFF-ILBM files. Also allows easy saving of windows and entire screens to disk. This is version 2.0, an update to 'PicSaver' version 1.0 on disk 494. Includes source in assembler. Author: Preben Nielsen FF543

**PictureEditor** An 'object-oriented' paint program that allows you to create, modify, load, and save hierarchical structured picture objects. Version 1.12, shareware, binary only. Author: Hans W. Stremlau FF464

**Pictures** Miscellaneous pictures selected from dozens of pictures that have come my way since the last full art disk. Author: Rich Payne, Grace Rohlf, and others. FF45, FF11

**Pictures:** IFF pictures from past Amazing Computing issues. AC11

**PigLatin** Tired of the 'say' command? This one will translate and speak your input in pig latin! Author: Thomas Clement FF18

**pigs** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Pilot** An implementation of the PILOT language for the Amiga, including a demo done for the National Park Service. PILOT is a limited use language for use in educational and computer based instruction programs. Binary only with Beta test kit available from authors. Author: Terry LaGrone FF150

**PinballConstSet.ppc** A screen from Pinball Contruction Set in an IFF picture. AM6

**pinwheel** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. It is not certain whether which of the two early basics this program used. FF13

**pipe organ** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**PipeDevice** A working 'pipe' device, which allows the standard output of one process to be fed to the standard input of another process, with both processes running concurrently. Author: Matt Dillon FF55

**PipeHandler** An AmigaDOS pipe device which supports OPEN, CLOSE, READ, WRITE, LOCK, EXAMINE, and EXNEXT. Thus you can have 'named pipes'. It also supports 'taps' on a pipe, to capture all data flowing through the pipe. Version 1.2, includes source. Author: Ed Puckett FF84

**Pipeline** A game like the commercial game 'Pipe dream' (Pipe mania). Needs a joystick and PAL display. High scores are saved to disk. Version 1.0, includes source. Author: Andre Wichmann. FF358

**PKAZip** The PKWare ZIP tool for the Amiga. Provides functions to create, examine, extract, test, modify, display, and print files which are in the ZIP compressed format Uses a full Intuition interface with no CLI support. This is version 1.01, Binary. By PKWARE Inc, Amiga version by Dennis Hoffman FF318, FF311

**Planets** Some routines ported to the Amiga by Bob Leivian, that compute the location of the planets (as viewed from a specific point on the earth) and the phase of the moon, for an arbitrary date and time. With source. by Keith Brandt VIII, Jim Cobb, F. T. Mendenhall, Alan

Paeth, Petri Launiainen, Bob Leivian FF321

**Plasma** A plasma cloud generator program that uses the extra halfbyte mode. Plasma clouds are a special form of fractal which show very smooth color gradations. Version 1.1, includes source. Author: Roger Uzun FF285

**Plot** Short, simple, no-frills IFF reader program, and a sample picture made using a ray tracing algorithm. Author: Jim Kent FF35

**Plot** A 3-D function plotting program with provisions for coordinate translation on both axes, parametric equations, and standardized notation of the pow function (x^y — which now works as specified.). This is version 5.1, an update to version 4.1 on disk 175, with some enhancements and bug fixes. Binary only. Author: Terry Gintz FF389, FF175, FF49

**Plot** A package for making 2D and 3D plots conveniently. AG Baxter wrote the intuition interface program (Plot) and Tim Mooney wrote the MultiPlot and ThreeDPlot programs, which are called from Plot. This is version 1.2 and includes source to Plot. Author: AG Baxter, Tim Mooney FF231

**Plot** A shareware 3D graphing program written in AmigaBASIC, with some sample output plots. Source available from author. Author: George Trepal FF121

**Plot6** A star plotting program. Short on documentation and user friendliness, but interesting. Includes source. By Darrin West FF85

**PlotData2D** Plots data onto a custom user defined screen and window, reading the plot and screen/window definitions, along with the X and Y data pairs, from a disk file. Supports linear, log-log, and semi-log axis plots. The data can be plotted with lines, symbols, or both. Includes numerous example plots. Version 1.0, includes source in Fortran. Author: Robert C. Singleterry Jr. FF288

**Plotter** A two-dimensional mathematical function plotting program. Includes both PAL and NTSC versions. Version 3.71, includes source. Author: Rudiger Dreier FF376

**PlotView** A couple of programs, Plotview and Plot2Am, for viewing UNIX plot files. Also included are two sub-directories: Plot — a device independent plotting package for the Amiga, compatible with the UNIX plot subroutine package and Plot2Tek — converts UNIX plot format files to Tektronix 410x terminal graphic commands. Source included. Author: Joel Swank FF165

**Plotlib** A library of C functions useful for scientific plotting on the Amiga. The library is Lattice C compatible. Contour plotting, three dimensional plotting, axis redefinition, log-log plotting and multiple subpages are a few of Plplot's features. The plots can be displayed on a monitor or sent to a graphics file for subsequent printing. This is version 2.6. This version includes a greatly improved intuition interface, preferences support for hardcopy, several new device drivers, and the capability of adding additional device drivers easily. Includes source. Author: Tony Richardson FF340, FF222

**PlusCR** Companion program to StripCR, it reverses the procedure. PlusCR produces a file ready for use on systems which require both the CR and LF characters to mark the end of a line (such as those running MS-DOS for example, includes source in assembly. Author: Bill Nelson FF237

**PLW** Phone-Line-Watcher. For users of Hayes compatible modems. Monitors the serial port and records all incoming calls. Allows a remote user to login, receive and leave a message, and transfer files via Zmodem in either direction. Two level DOS access, disabled DOS requestors and more. This is version 3.0, an update to version 2.8 on disk 372. New features include the ability to define external programs as menu options that can be executed by the remote user. Shareware, binary only. Author: Christian Fries FF402, FF372, FF363

**pm** A chart recorder performances indicator. AM11

**Pmode** Very simple command line utility to send escape sequences to the printer to change print styles. Specifically tested a NEC P6 Plus, but it should work with many printers. Included source should make it easy to add/modify escape sequences. Author: Dario de Judicibus FF392

**Pogo** Another of Eric's cute animations. This one has Pogo and crew trying to hold a conversation with the beautiful Miss Mam'a selle. Author: Eric Schwartz FF423

**Pointer** Use the SID sleepy pointer in your programs. Includes C source, a sample program, and modules that you can plug in to your C programs. Author: Timm Martin FF430

**pointerEd** Pointer and sprite editor AmigaBASIC program. AM11

**PointerLib** A disk based shared library which provides programmers with easy access to custom pointers and a consistent user selected busy pointer. Includes source. Author: Luke Wood FF446

# Freely Redistributable Software

**PointerX** Spins the hands of any pointer that looks like the standard AmigaDOS 2.0 Workbench "busy" pointer (a clock). Will also work with any application that uses the same pointer. Includes source. Author: Steve Tibbett FF483

**PokerDemo** Demo version of some Solitaire card games from UnSane Creations. Includes Accordion, Calculation, Poker Solitaire, and SeaHaven Towers. Binary only. Author: Steve Francis FF403

**PolarView** A planet view in an IFF picture. AM6

**Police** Simple police siren sound. ABASIC program. AM1

**Poly** A polygon drawing demo using the Area Move, Area Draw, and Area End functions. Author: John Olsen FF52

**Polydraw** A drawing program written in ABASIC. Author: David Addison FF15

**Polyfractals** A fractal program written in ABASIC. Author: David Addison FF15

**Polygon** A moire type pattern generator but with color cycling. Author: TerryGintz FF49

**PolyRoot** Another Polynomial root-finder using the Newtonian algorithm. Nicely done in AmigaBASIC with good documentation file. Version 2.00. Author: Jon Giorgini FF164

**PolySiliCon** A centralized Shell Command Interface with visible scrollable History and mouse access. Allows multiple shells to be controlled from a single command/history window. Commands can be re-executed with a mouse click. A group of commands for a project may be loaded into the history from a file for easy access. Compatible with both 1.3 and 2.0 AmigaDOS. ShareWare, binary only. Author: Pete Goodeve. FF504

**PopSys** An extended version of the OL-system (string rewriting) described in The Science of Fractal Images (edited by Pietgen and Saupe). The basic algorithm has been expanded and modified extensively, and looping commands similar to those found in other Turtle graphics systems (Logo, etc) have been added. Support for three-dimensional drawing, with perspective, is also included. Version 1.0, binary only. Author: Terry Gintz FF389

**Poor Man's Spreadsheet:** A simple spreadsheet program that demonstrates manipulating arrays. Author: Gerry L. Penrose. AC10

**PopArt** Intuition based image data generator and animator. Includes source. Author: Philip FF374

**PopCLI** Provides a simple way of starting another CLI at any time without having to load workbench or exit whatever program you may be using. Also has a built in screen saver mode that automatically blanks the Amiga console screen when there has been no input for a specified period of time. Version III with source. Author: John Toebes FF84, FF40, FF35, AM15, AM12

**PopColours** Lets you change the Red/Green/Blue components of any color register, on any screen currently in the system. Uses a movable window with slider gadgets. Very well done. Version 1.0, Nov. 1986. Author: Chris Zamara and Nick Sullivan FF43

**PopDir** A small utility which 'pops open' to help you look at the contents of a particular directory on demand. Version 1.6 with source. Author: Jonathan Potter FF287, FF204

**PopInfo** A small utility which pops open to give you information about the status of your devices and memory. This is version 4.0, an update to version 3.0 on disk 242. Binary only. Author: Jonathan Potter FF412, FF242, FF223, FF204, FF172

**PopLife** A PopCLI type thingle that instead plays life all over your screen. Lots of bits and pieces from Tomas Rokicki's blitlab and John Toebes' PopCLI. Includes source. By Olaf Seibert FF111

**PopMenu** A set of functions for the setting up, drawing, and handling of pop-up menus that are affixed to windows. Clicking on the menu box area will open up the full menu, with the list of menu items inside. Source and a sample program included. Author: Paul Thomas Miller FF368

**PopScreen** A small hack to pop a hidden screen to the front from the CLI. This was written to allow the author to use VLTjr with other programs that also use custom screens. Source included. Author: Stephen Vermeulen. FF326

**PopulousKeys** Code words and options descriptions for all 495 worlds of Populous (TM Electronic Arts and Bullfrog Productions). All information was obtained by the author's excessive playing of Populous. Author: Kenneth Fuchs FF531

**PopUpMenu** A small program that makes it possible for you to use pop-up-menus with any program that uses standard intuition menus. Version 3.5, includes source. Author: Martin Adrian FF422

**PopUpMenu** Example code implementing pop-up menus that are reasonably compatible with Intuition menus. Includes source. Author: Derek Zahn FF96

**Porsche** A Porsche in an IFF picture. AM6

**Port2** Sample C program showing how to control a mouse connected to the second mouse/joystick port. Executable creates a second mouse pointer that is controlled by a mouse plugged into port 2. Version 1.0, includes source. Author: Olaf Barthel FF371

**portar** Portable archiver. Used to bundle text file up into a single file for transmission as a unit, or otherwise handling as a single file. 'Portable' because the code itself is portable and because the archive format is very simple (uses ASCII headers to separate files). From Decus C distribution. Author: Martin Minow FF2

**PortHandler** A sample Port-Handler program that performs the functions of the standard Port-Handler. Shows what the BCPL environment looks like from the handler point of view. Author: John Toebus VIII FF20

**Post** An excellent PostScript interpreter for the Amiga which implements the full Adobe language. Supports type 1 and type 3 fonts, screen output, file output, and printer output. Requires Arp library V39+ and ConMan V1.3+. This is version 1.6, an update to version 1.5 on disk 468. Includes source in C. Author: Adrian Aylward FF518, FF468, FF446, FF408

**ptogo.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**PowerLOGO** An experimental programming language based on Lisp and LOGO. It is versatile, highly interactive, organizes programs as collections of procedures, and includes lists as first-class data objects. Version 1.00, binary only. Author: Gary Teachout FF377

**PowerPacker** A shareware command and data cruncher, with a full intuition user interface. Executable files which are crunched are automatically decrunched upon execution, thus saving precious disk space on systems without hard disks. Version 2.3b, binary only. Author: Nico Francois FF253

**PowerSnap** A utility that allows you to use the mouse to mark characters anywhere on the screen, and then paste them somewhere else, such as in another CLI or in a string gadget. Checks what font is used in the window you snap from and will look for the position of the characters automatically. Recognizes all non proportional fonts of up to 24 pixels wide and of any height. Works with AmigaDOS 2.0 in both shell and WorkBench environments. This is version 1.1, an update to version 1.0 on disk 467. Binary only. Author: Nico Francois FF542, FF467

**PowerSource** A program for creating and editing intuition gadgets and menus. Previously known as GadgetED (disk 475). Includes a palette editor, generation of either C or assembly source, and binary saving for later loading and editing. This is version 3.0, includes source. Author: Jan van den Baard FF547

**PowerWindows** PowerWindows aids in creation of custom windows, menus, and gadgets. It will write C or assembly source implementing these, for linking with your programs. Binary only. Author: Inovatronics Inc. FF71

**PP** Powerpacker Patcher is a small tool that patches the DOS library so that PowerPacker datafiles will start acting as if they were "normal" files. Sample use of PP would be to crunch all ".info" files. The icons will retain their functionality as long as PP is installed, and WB will never know the difference. Icons are useful, but take up a lot of valuable disk space. You may also use any text viewer, editor or IFF tool (or anything!) you desire directly on Powerpacker files! This is version 1.3, an update to version 1.0 on disk 515. Shareware, includes full source. Author: Michael Berg FF542, FF515

**PPAnim** An anim player for normal IFF ANIM opt 5 (DPaint III,...) files or ANIM files crunched with PowerPacker. The decrunching is done automatically as the file is read. Features many command line options, palette change during animation, full overscan PAL/NTSC support and yet it is only 7K. Compatible with AmigaDOS 2.0. Some new 2.0 features (Asl requester) supported. Version 1.0a, an update to version 1.0 on disk 414. Binary only. Author: Nico Francois FF542, FF414

**PPLib** A shared library to make life easy for people who wish to write programs that support PowerPacker. Loading crunched files from C or assembly is made fast, short and easy. This is version 34.2, an update to version 34.1 on disk 371, and fixes a relatively serious bug. Library binary only, source examples included. Author: Nico Francois FF414, FF371

**PPLoadSeg** This program patches the loadseg routine to automatically recognize files crunched with PowerPacker. After running PPLoadSeg crunched libraries and devices are still recognized by AmigaDOS. You can even crunch fonts and use them as normally. Version 1.0, binary only. Author: Nico Francois FF542

**PPMore** A "more" replacement program that reads normal ascii text files as well as files crunched with

PowerPacker. The crunched files can result in considerable disk space savings. This is version 1.8, an update to version 1.7 on disk 371. Enhancements include a Workbench 2.0 3D look under 1.3 and support for the Asl requester under 2.0. Binary only. Author: Nico Francois FF542, FF371, FF334, FF302

**PPrefs** Preferable Preferences is a program designed to replace the standard preferences, that is shorter, more efficient, and easier to use. Binary only. Author: Jonathan Potter FF242

**PPrint** A printing utility, designed for all those who slowly but surely become frustrated with programmers who think that they can do a form feed better than their printer can. This one relies on the printer itself to do the formatting, and on the program to send the settings. Features include a full icon driven user interface, the ability to convert tabs to any size, and the ability to save a number of standard settings. Version 1.10, includes source. Author: Marc Jackisch FF487

**PPShow** A "show" program for normal IFF ILBM files or ILBM files crunched with PowerPacker. The decrunching is done automatically as the file is read. Version 1.2a, update to version 1.2 on disk 371, binary only. Author: Nico Francois FF542, FF371, FF334

**PPType** A "print" program that will print normal ascii files or files crunched with PowerPacker. Several nice features such as page headers and numbers, adjustable tab sizes, page info taken from preferences and more. Version 1.1a, update to version 1.1 on disk 371, binary only. Author: Nico Francois FF542, FF371

**Pr** A little utility to print listings in different formats. Similar to the UNIX 'pr' program. With source. By Samuel FF122, FF34, AM15

**Practal Modula-2 Buffered Disk I/O:** Buffer file input and output to improve disk accessing speed. Author: Michal Todorovic. AC13

**Preader** An all purpose reader that displays text, pictures, sounds, and animations, all of which may be uncompressed or compressed with a companion compression program (not included). Text can include embedded static or animated illustrations and sounds. Version 5.1, freeware, binary only. Author: Chas A. Wyndham FF543

**Prep** Version 2.1 of a Fortran preprocessor called 'prep', an alternative to ratfor. Prep has better macro facilities, a concise shorthand for array and vector statements, all the standard flow control constructs of forth, and is written in generic, portable C (I made no source changes). Includes source. By Roger Ove FF65

**PrettyWindows** Three different C routines to add various borders inside of windows. Includes source and a demo. Author: Thom Robertson FF399

**PrFont** Prints a sample of each font from the fonts: directory. Draws one line of each font on a custom hires screen, which can be printed. Version 1.3, includes source. By Joel Swank FF305

**printntr.c** Sample printer interface code. C program. AM4

**Print** Small print utility designed to replace the 'copy <filename> to prt:' command. Opens a window displaying the filename being printed, length, and a status bar showing percent completed. Also includes an abort gadget. V1.0, binary. By Luciano Bertato FF184

**Print Utility:** A homemade print utility, with some extra added features. Author: Brian Zupke AC9

**print.support** Printer support routines. Currently won't compile, missing a header file 'local.h'. Author: unknown FF5

**Print1.2** Another CLI-based printing utility with several nice features including the ability to print in ASCII or HEX, with or without line numbers and a CTRL-C trap. Includes source. Author: John F. Zacharias FF174

**Printer driver** Text files for building your own printer drivers, including dospecial.c, epsontdata.c, init.asm, printer.c, printer.link, printertag.asm, render.c, and wait.asm. AM5

**printer** Printer pre-release copy of the chapter on printer drivers, from RKM 1.1. AM4

**printer** Shows how to open and use a printer, does a screen dump of the workbench screen if there is a graphics-capable printer attached. Currently does not compile under Lattice C Ver3.02 and does not link under Lattice C Ver3.03. By Rob Peck 12/1/85 FF5

**PrinterStealer** A program similar in function to 'Cmd' that allows diversion of output destined for the printer to a file for future output or debugging purposes. Binary only, source available from authors. Author: Alex Livshits and J-M. Forgeas FF95

**PrinterTip** A text file instruction for sending escape sequences to your printer. AM9

**PrintText** Program to display ASCII text files on the screen with scrollbar, arrow gadgets, automatic word-wrap, a search function, speech, IFF picture loading, and online help. Version 1.2, binary only. Author: Opher Kahane FF90

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**PrintHandler** A custom PRT: driver which offers easy single sheet support as well as limited data spooling. Version 1.6, an almost entirely rewritten update to version 1.1 on FF282. Includes source in 'C'. Author: Olaf Barthel FF352, FF282.

**PrintImage** A simple program that provides an easy way to print IFF ILBM images. Version 1.0, includes source. Author: Olaf 'Olsen' Barthel FF394

**PrintIt** A program to print IFF pictures on Epson compatible 9-pin printers. Prints in many resolutions, with many ways to convert color pics to black and white. Version 1.0, includes source in Modula-II. Author: Fridtjof Siebert FF234

**PrintPop** A utility to enable the user to send some common control settings to the PRT: printer device. When installed, a left-amiga F1 sequence will pop up a small window with various options. Includes source. Author: Robbie Atkins FF108

**PrintSpool** A print-spooling program. Very useful for printing files in the background. Many command-line options. Version 1.0.0, includes source. Author: François Gagnon FF154

**PrintSpool** A shared library to easily add text or graphics print spooling to any C or assembly program. Binary only. Author: Jeff Glatt FF463

**PrintSpool** A small print spooling shared library that provides an easy way to print graphics and text for any application. It can print ascii text of any length or dump any part or all of a rastport. Takes care of opening the printer device and manages its own resources. Version 0.1, binary only, with source code examples. Author: Jeff Glatt, Dissidents Software FF393

**PrintSpooler** EXECUTE-based print spool program. AM8

**PrintStudio** Very nice intuition based general purpose print utility that prints text with a variety of options. Prints several graphic formats with yet more options. Print any part of a picture, print screens and windows, save screens and windows as IFF files, modify color palettes, change printing parameters and lots more! This is version 1.25, an update to version 1.2 on disk 366. Shareware, binary only. Author: Andreas Krebs FF402, FF366

**PrivHndlr** A privilege violation handler for the 68010 cpu. Like Decigel, but survives a reboot so you can use it with copy protected programs that run from boot. Version 3, includes source in assembly code. Author: John Veldthus FF230

**Proc** Example program of how to create a full-fledged DOS process without needing to call LoadSeg first. Based on an idea presented at BADGE. Includes source. By Leo Schwab FF236

**ProCalc** A program that simulates an HP-11C programmable calculator. Lots of enhancements and bug fixes in Version 1.2, binary only, shareware. Author: Gotz Muller FF172, FF139

**proctest** Sample code to create a process, set up message ports, pass messages, etc. Sample slave code for create process test (littleproc.c) currently does not link under either Lattice C3.02 or 3.03 (unresolved global variables not in libraries) By Rob Peck FF5

**ProDrivers** AmigaDOS 1.3 printer drivers for the IBM 4201 and 4202 series of printers. Version 1.0, binary only. Author: David White FF451

**proff** Another text formatting program. This one is significantly more powerful than any of the others previously distributed on these disks. FF9

**ProffMacros** Subset implementations of the Berkeley 'ms' and System V 'mm' macropackages, for the proff program. Author: Tony Andrews and George Walker FF46

**Profiler** A real time execution profiler for Manx 3.30E. Using this you can identify what sections of your program are using the most time, or being executed the most, and optimize as appropriate. I was able to double the speed of some programs by using this tool. Includes source. Author: Tomas Rokicki FF48

**Programming in C on a Floppy System:** Begin to develop programs in C with just one megabyte of RAM. Author: Paul Miller. AC11

**ProgUtils** Some miscellaneous programming utilities and examples. With source in assembly. By Jorrit Tyberghein FF302

**ProjMot** A Projectile Motion plotter. Plots the path of a projectile fired with a variable initial velocity and angle. Display can be scaled, and time can be accelerated. The program returns the distance traveled and the time it took. This is version 1.01, includes source. Author: Chris Hopps FF453

**PropGadget** Example code for using proportional gadgets, written in assembly code and C, that can be called from your own application. Includes source. Author: Jerry Trantow FF269, AM21

**ProSuite** This is the Amiga Programmers Suite Book 1.01. The suite provides example code of facilities that every programmer needs (such as FileIO Requester), pro-

vides examples of new facilities (such as XText and DoRequest), and provides a tutorial on how to program the Amiga. With source. By R.J. Mical FF107

**prtbase.h** Printer device definitions. C program. AM4

**PrtDriver** A printer driver for the Toshiba '3 in one' printer in its Quime (best) mode. Includes source in C and assembler. By Rico Mariani FF128

**PrtDrivers** A couple of new Printer Drivers. One for Digital Equipment's LN03+ laser printer, and one for Mannesmann Tally's MT420d dot matrix. Authors: DEC LN03 — Bernie Mentink MT420d — Sascha Wildner FF164

**PrtDrvGen** Program to automatically generate custom printer drivers. Version 2.2b, binary only, source available from author. Author: Joergen Thomsen FF90, FF60

**PrtDrvGen2.3** Latest version of a printer driver generator. AM22

**PrtSpool** A DOS handler, a print program, and a control program that implement a print spooling system. Like PRT:, the DOS handler waits for stuff to be sent to it to be printed. The print program does line numbering and page headers. The control program handles administrative functions. Binary only. By Daniel Barrens FF216

**Ps** A program to display process priorities and another program to set a process's priority to any arbitrary valid value. Very useful to provide finer control over your multitasking environment. Author: Dewi Williams FF26, AM11

**PSGraph** A graphing program with plot previews and encapsulated postscript output. Version 1.0, binary only. Author: Rick Golembiewski FF523

**PsIntpr** A postscript interpreter that reads postscript files and previews them on an Amiga screen. Interactive input and output takes place in a small window. The page to be show is composed behind the window in an interlaced screen with 16 colors. Can also take input from a file. With assembler source. By Greg Lee FF101

**PSound** SunRize Industries' sampled sound editor & recorder. AM15

**PSX** A public screen manager for AmigaDOS 2.0. Lets you open, manipulate, and close public screens, set the global public screen bits, and provides a good example of using GadTools and ReadArgs. Version 1.1, an update to version on disk 418. Includes source. Author: Steve Tibbett FF483, FF371

**PtrAnim** Program, includes lots of samples, a utility program and instructions on creating your own animations. Be sure to also read the 'Disclaimer' in the author's ReadMeFirst file. Binary only, shareware. Author: Tim Kemp FF170

**PubScreens** Two utilities to manipulate public screens. You can open and close them, or ask for information. PublicS is the workbench version of PubScreen. AmigaDOS 2.0 only. This is version 1.0, binary only. Author: Jorrit Tyberghein FF418

**Purty** Provides an easy way to change some common printer settings via a small window with several gadgets. Binary only. Author: Charles Tyson FF66

**PushOver** A neat little board strategy game, in AmigaBASIC. Push your pieces onto the board until you get five in a row in any direction. Includes source. Author: Russ Yost FF122

**PUZZ** Very nice implementation of the sliding-block puzzle concept. Good graphics and the ability to create your own puzzles using an IFF ILBM file and a text file. Includes source and several sample puzzles. Version 1.0. Author: Martin Round FF362

**Puzzle** Simulation of a puzzle with moving square tiles. Executable only. Author: Bill Boegelein FF32

**PuzzlePro** Create a puzzle from an IFF picture, which the user can then piece back together again. Written in AmigaBASIC. Version 1.0, binary only, shareware, source available from author. Author: Syd Bolton FF122

**PW\_Utility** A shareware utility for ProWrite users, changes margin settings and font types. AM25

**PWDEmo** Demo version 1.2 of the commercial product. FF71

**PWKKeys** An input handler that allows you to manipulate windows and screens by pressing keys on the keyboard. It currently lets you perform 25 different functions. Features include mouse blanking, screen blanking, mouse acceleration, "sun mouse", mouse/keyboard locking, and an interactive program to define hotkeys and other settings. This is version 2.0, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF494, FF483

**Pyro** A screen blanking program that goes beyond the normal blanking process. When there are no input events, pyro takes over and starts a little fireworks display in color. V1.1, binary only. Author: Steve Jacobs and Jim Boyd FF199

**Pyth** A program to draw the Tree of Pythagoras. Version 1.1, includes source. Author: Andreas Krebs FF238

**Pz15** Computer version of those cheap plastic puzzles with

15 white tiles numbered 1 through 15 and an empty square in a 4 by 4 arrangement. This one is more challenging since you can't solve it by just prying out the pieces. With source. By Mike Hall FF191

**QBase** Quick-Base is a 'MailBase Management utility', that lets you define and maintain records of your family, friends, and other associates. Currently a maximum of 200 records per file. Binary only. Author: Kevin Harris FF98

**QMan** Mandelbrot generator written partially in assembly for speed. Includes source. Author: Steve Bonner FF130

**QMouse** A very small mouse accelerator (4K) written in assembly language, but with most of the features of its larger cousins. Not related to QMouse on disk 49. This is version 1.6, shareware, binary only. Author: Lyman Epp FF262, FF49

**qsort.asm** UNIX compatible qsort() function, source and C test program. Assembler program. AM2

**Q12** A cute program that gives the time the way many people actually do, i.e. 'it's nearly ten to five'. Includes source in assembly. By Charlie Gibb FF186

**Quantizer** FLCLQ color quantizer which converts 24 bit true color images into 256, or less, color images. Uses a fairly sophisticated algorithm, mixing median-cut, popularity, and a custom algorithm. Includes a version for Amiga's with a math coprocessor. Version 1.0, shareware, binary only. Author: Christophe Labouisse and Frederic Louquet FF416

**Quattro** Another Tetris like program. Has three levels of play difficulty, sound effects, a 43-color background, next stone preview, and joystick or numberpad control. Version 1.0, binary only, source available from author. Author: Karl-Erik Jenss FF230

**QueryAny** Simple program for use in CLI scripts to query for yes/no decisions. Includes assembler source. By Mark Smith FF79

**queryWB** asks Yes or No from the user returns exit code. Source code and executable program. AM14

**Quick** A utility program specifically targeted at hard drive users to eliminate the frustration of launching programs on the Amiga. It eliminates the need to open Workbench windows and/or remember and type in long pathnames to executables. Version 1.0, binary only. Author: Greg Gorby FF453

**quick** A quick disk-to-disk nibble copier. Executable program and documentation. AM12, AM1

**QuickCopy** Three versions of quickcopy, a nice little full diskcopier. Two of the versions are capable of making backups of 'protected' Electronic Art's disks. By Dave Devenport FF35

**quickEA** Program copies Electronic Arts disks, removes protection. Executable program and documentation. AM12

**QuickFlix** An IFF slideshow and cel animation program that takes full advantage of the Amiga's multitasking operating system, supports all the graphics modes, can run with internal timing or be triggered by an external source, caches images in memory to achieve rapid frame rate, etc. V 0.13, binary, shareware. By Jeff Kunzelman, Rodney Iwashina, Takeshi Suganuma FF106, AM24

**QuickHelp** A utility that helps you make and display your own help files for commands. Disk space usage is minimized by using PowerPacker to crunch the help files. Version 1.2, binary only. Author: Jorrit Tyberghein FF302

**QuickHelp** With the QuickHelp utilities you can make your own help files like man in UNIX (it is not compatible however). AmigaDOS 2.0 only. Version 2.0, binary only. Author: Jorrit Tyberghein FF420

**QuickReq** An 'Ask utility' to replace the 'ask' command from AmigaDOS. QuickReq can load arguments from files thus making it possible to handle long questions and texts. Also supports optional line breaks in BodyText, an option to center text to window, DisplayBeep when requester is activated, setting your own FrontPen number, specifying requesters width and height and all kinds of overscan displays. First public release. Version 2.0, includes source. Author: Markus Aalto FF457

**Quiz** A simple Quiz game. Current quiz subjects include Bible, Indians, New England, Physics, and States. Binary only. Author: J. Dale Holt FF417

**Quotes** Quotes is a pseudo-random quote generator. It will scan a specified file of quotes, pick one at random, and display it. Great for startup-sequences. CLI-only. Version 1.0, includes source. Author: Adam Evans FF516

**QView** A very small file view program (only 3K) written in assembly language, but with most of the features of its larger cousins. V 1.1, shareware, binary only. By Lyman Epp FF262

**RadBoogie** This demo, which won 7th place in the 1989 BADGE Killer Demo Contest, uses almost all features of the Amiga extensively, including the copper, blitter,



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sprite hardware, 68000 machine language, and pre-emptive prioritized multitasking. With source. By Dave Quick, Mark Riley, Tomas Rokicki FF269

**RaiderGame** Raider 3DX is a classic space strategy game for X-Specs 3D. Search for enemy on a 3D map of the galaxy. Warp transport to trouble spots and protect the Federation bases. Blast the enemy with your energy torpedoes. But watch your own energy reserves since you are the last hope of the galaxy. Digitized sound. Amazing 3D action. Requires X-Specs 3D glasses. Binary only. Author: Richard Horne FF544

**RainBench** Simple program which cycles the hardware color register to get an interesting effect on your workbench screen. Binary only. Author: Brendan Keliher FF90

**RainBow** Marauder-style rainbow generator. Installs a user copper list such that the background color is changed every few scan lines. Includes source. Author: John Hodgson FF58

**RAMCopy** A copy program designed for machines with 1 meg or more of RAM and only one disk drive. Allows you to copy a complete disk in only one pass. Author: Stephen Gunn FF165

**RAMdisks** Text file with tips on setting up your RAM disk. AM1

**RAMSpeed** Program to measure raw memory speed, comparing the internal to the external memory. By Perry Kivolowitz FF31

**Random** Random number generator in assembly. Much faster than versions using floating point. Can be used by either assembly or C programs. Author: Steve Beats at Commodore-Amiga FF20

**Random** Simple random number generator in C. Includes source. Author: Gene Toole(?) FF74

**random-circles** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**RandSam** Plays random soundsamples at random times, with random volume, random cycles, and a bit random period. It will definitely catch the attention of the unsuspecting Amiga user (particularly one that has the stereo turned up!) when a lion suddenly roars as they're typing away on their favorite word processor! User modifiable start-up configuration file. Include source and some sample sounds. Author: Steven Lagerweij FF363

**RatMaze** 3D rat maze game in AmigaBASIC. AM8

**raw** Example sample window I/O. C program. AM1

**RawIO** Example of how to set your standard input to what is commonly known as 'raw' and/or 'CBREAK' mode on UNIX systems. Includes source. Author: Chuck McManis FF85

**RayTracePics** Ray tracing pictures, some of which appeared on FF39, but now in IFFHAM format for MUCH faster loading and compatibility with existing IFF tools. Author: Dave Wecker FF44

**RayTracer** A simple ray tracing program. It is capable of depicting up to 150 balls and a plane that is covered with a tiling of any bit mapped picture. Binary only and sparse documentation. Author: Friedrich Knauss, Steve Williams, Jim Horn and Mark Reichert FF66

**RCS** The Revision Control System (RCS) manages multiple revisions of text files. RCS automates the storing, retrieval, logging, identification, and merging of revisions. RCS is useful for text that is revised frequently, for example programs, documentation, graphics, papers, form letters, etc. This is an update to RCS version 1.2 on disks 281 and 282, and includes only the files that have changed. Author: Walter Tichy. Amiga port by Raymond Brand and Rick Schaeffer. FF451, FF281&282

**Reader** A program to scan a word list to locate which words can be made from the letters given. Allows matching of words by length and by giving the letters known, ie. m.t.h for the word MATCH. Great for word games and crosswords. Results output to screen and a RAM: based file. The word list is in ascii and so can be edited if desired. New words can be added and it could be used for different languages if required. Supplied with over 24,200 words (mostly English spellings). Version 1.0, includes source. Author: Gary Brittain FF432

**Readme** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**ReadmeMaster** A nifty little database for finding those programs that you know exist somewhere (???) in the AmigaLibDisk library. Maintains a keyword dictionary of the Contents descriptions that allows searching by disk number, program title, author's name, or some other descriptive word. Currently supports disks 1-360, an update to the version on disk number 163. Binary only. Author: Harold

Morash FF390, FF163

**Reboot** A program which reboots your Amiga by calling exec's Cold-Reboot() function. This is version 1.02. Includes source in C. Author: Stefan Sticht FF497

**Recolor** A fully configurable icon recoloring tool that can swap or shift the colors of selected icons and truncate the depth of the icon color map. Binary only. Author: Michael Sinz FF490

**Record-Replay** A program that records a sequence of mouse and keyboard events as they occur and stores them in a file. The file can be played back to cause the same sequence of events to occur again. Very useful for creating demonstrations of programs or documenting repeatable bugs. This is version 2.0, an update to the version on disk 95. Shareware, binary only. Author: Alex Livshits and J-M. Forgeas FF105, FF95

**RecurDir** A recursive directory program that is useful as an aid in ZOOing files in nested directories. Allows one to easily ZOO the complete contents of a disk. With source. By Stephen Vermeulen FF284

**Redaktu** A PostScript program which runs on PixelScript to edit other PostScript programs. Several examples and a detailed explanation are included. Author: John Starling FF454

**ReDate** Scans a disk and dates each directory according to the most recent item contained within (not including .info files). Ideal for use after a COPY ALL CLONE, where the directories are CREATED rather than copied and thus lose their date information. Includes source in assembler. Author: Jim Butterfield FF358

**Regex** An Amiga shared library version of the GNU regular expression package from the Free Software Foundation. A regular expression is a concise method of describing a pattern of characters in a string. By use of special wildcards, almost any pattern can be described. A regular expression pattern can be used for searching strings in such programs as editors or other string handling programs. Version 1.0, includes source. Author: Edwin Hoogerbeets, FSF, Jim Mackraz FF248

**Regexp** A nearly-public-domain reimplement of the V8 regexp(3) package. Gives C programs the ability to use egrep-style regular expressions, and does it in a much cleaner fashion than the analogous routines in SysV. With source. By Henry Spencer FF179

**RegExpLib** Shared library that implements regular expression pattern matching. Version 1.0, binary only. Author: Stephen Moehle FF444

**regintes.c** Region test program. C program. AM4

**region** Demonstrates how a drawing area can be split into linked rectangular regions. Draws a rectangle in a single playfield display, then draws 'Behind a Fence' several times behind an apparent fence in the rectangle. Only works under Lattice Ver3.03. Author: Rob Peck FF5

**RemapIcon** A utility to remap icons to be exchanged between Kickstart 2.0 and Kickstart 1.2/1.3 Workbench environments. The icon images are remapped to reflect the different colour palette used by the Workbench releases. Version 1.0, includes source. Author: Olaf Barthel FF372

**RemapInfo** An icon color remapping tool that swaps the colors black and white. The program runs on 1.3, but when run on 2.0 it supports the Applcon feature. It allows you to drag all icons you wish to remap on RemapInfo's Applcon to recolor them. Version 1.0, binary only. Author: Nico Francois FF542

**REMCRC** V1.00 Utility to remove CR's in files FF168 & 169

**RemLib** Removes a specified library (if currently unused) or displays some information about all available libraries. Version 1.11, includes source in assembler. By Heiko Rath FF178, FF139

**RemoteLogin** A couple of programs which make possible remote access to your Amiga. One program checks the serial port for an incoming call, and starts a program when it is detected. The other is a password protection program which allows starting various programs based upon login id, thus providing some minimal security for your computer. With source. By Dave Kinzer FF247

**RepString** Nice little CLI utility to replace any type of string in any type of file with another string of any type. V1.0, binary only, shareware. By Luciano Bertato FF180

**Req** An enhanced version of the interface to reqlibrary for Aztec C 5.0. Pragmas supplied and glue put in a library rather than in an object file. Includes source in asm. Version 1.1. Author: Pierre Carrette FF540

**ReqAztec** An enhanced version of the interface to reqlibrary for Aztec C 5.0. Includes source in assembly. Author: Pierre Carrette. FF419

**ReqLib** A runtime, reentrant library designed to make it easier for programmers to use powerful, easy to use requesters, for communicating with users. Includes such functions as a color requester, file requester, message display requester and many functions to make the creation of gadgets for your own custom requesters easier. This is version 2.5, an update to

version 1.2 on disk 400. Binary only. Author: Colin Fox and Bruce Dawson FF419, FF400

**Request** Opens the OS 2.0 autorequester from script files. Title, text, gadgets and publicscreen of the requester can be changed by commandline options. This is version 1.00. Includes source in C. Author: Stefan Sticht FF497

**Requester** A file name requester that looks like the one used in Deluxe Paint, and a sample program for using the requester. With source. By Kevin Clague, enhancements by Randy Finch FF84, FF34, AM9

**requesters** Sample program and documentation for building and using requesters. John worked REAL hard to dig out all the information in this one! Author: John Draper (aka 'crunch') FF1

**Resident** A resident startup module for Aztec C. Version 1.0, includes source. Author: Olaf 'Olsen' Barthel FF396

**ReSourceDemo** A demo version of ReSource, an interactive disassembler for the Amiga. This is a complete version except that the 'save' features have been disabled. This is version 3.06. Binary only. Author: Glen McDiarmid FF232, FF192

**Retab** Useful command-line 'tab-to-space' and 'space-to-tab' expansion utility. Several command-line options to specify size/settings and the ability to protect material enclosed by delimiters (quotes, brackets, carats, etc.) from expansion. Version 1.03, binary only. Author: Paul Klink FF389

**ReturnCode** Two Short programs (LogRC and GetRC) to allow the "Return Code" left by a previous program to be saved in a form suitable for further (script) testing. GetRC allows the Return Code to be set or viewed as desired. Assembly source included. Author: Jim Butterfield FF502

**RevBut** Another InputEvent hack, giving you a toggling right mouse button. V 1.0, with source. By Michael Balzer FF332

**Reversi** Plays the classical reversi game on an 8 x 8 square field. Version 2.0, an update to version 1.2 on disk 245. Includes source in assembly language. Author: Marc Fischlin FF305, FF245, FF38

**Reversi** Version of the well known game. Features an 'intelligent' computer opponent. Includes source in Modula II. Author: Robert Brandner FF549

**RexxArpLib** A library which originally was supposed to be an ARexx interface to the ARP library. However, it has also become an interface to various Intuition functions, containing over 50 functions including a file requester, string/boolean requester, environmentvariable functions, simple message window, wildcard expander, etc. V2.3, an update to FF178. Binary only. Author: W.G.J. Langeveld FF227, FF178

**RexxHostLib** This is a shared library package to simplify the ARexx host creation/management procedure. Rexx-message parsing is also included making it possible to control ARexx from programs such as AmigaBASIC (can you imagine AmigaBASIC controlling AmigaTeX?). This is version 36.14, an update to version 34.12 on disk 355. Differences include a few bug fixes and new functions. Includes source. Author: Olaf Barthel FF403, FF355, FF325

**RexxIntuition** This is a ARexx function library that allows you to open windows/screens from an ARexx script, attach menus, gadgets, (file) requesters, load and save ILBM picture files, auto-requesters, print text and graphic dumps, and completely interact with the user in an intuition environment. Adds all of those Amiga features that ARexx lacks. Author: Jeff Glatt, Dissidents Software FF463, FF393

**RexxLib** A shared library that can be easily used by any C or assembly programmer to add an ARexx interface to his programs. Handles all of the messy details including message creation/deletion and error handling. Author: Jeff Glatt, Dissidents Software FF463, FF393

**RexxMathLib** A library which makes various high level math functions such as sin, tangent, log, etc, available in ARexx. V1.2 and 1.3, binary only. Author: W.G.J. Langeveld FF227

**RexxPIPlot** A library of C functions useful for scientific plotting on the Amiga. The library is Lattice C compatible. Contour plotting, three dimensional plotting, axis redefinition, log-log plotting and multiple subpages are a few of PIPlot's features. The plots can be displayed on a monitor or sent to a graphics file for subsequent printing. This is RexxPIPlot version 0.3, an update to PIPlot version 1.00 on disk 222. New features include an ARexx interface, support for IFF output, support for PostScript output, support for Preferences, some new functions, bug fixes, and more. Includes source. Author: Tony Richardson, Samuel Paolucci, Glenn Lewis and Tomas Rokicki FF306

**RexxView** Monitors messages sent to the REXX port. Messages are described by task, action code and modifiers, and the contents of arg0 slot is displayed.

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# Freely Redistributable Software

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**CLI** utility to monitor the REXX IPC hub for Arexx programmers and interfacers. Version 1.01, includes JForth source. Author: Martin C. Kees FF516

**rgb** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**rgbtst** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Rhodes piano** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**RickParksArt** A collection of artwork from one of the leading Amiga artists. Includes 'Bryce', 'Clipper', 'Einstein', 'Falconer', 'Lincoln', 'Lion', 'Mickey', 'Norman', and 'Stymie'. Superb hand drawn images with lots of detail. Author: Rick Parks FF426

**Ripples** This animation is one of Allen Hastings' entries to the Badge Killer Demo Contest. Unlike most other animations, it shows a fixed object from a moving point of view, rather than a moving object from a fixed point of view. By Allen Hastings FF127

**RistiNolla** A Finnish game. The name means something like CrossZero, and is also called Go-Moku. Version 1.0, shareware, binary only. Author: Mika Pihlajamaki FF106

**RKMCompanion** A two disk set of material created by Commodore for use with the 1.3 revision of the Amiga ROM Kernel Reference Manual, Libraries and Devices, published by Addison-Wesley. Almost 300 files, including C source code examples and executables, have been packed into two 1harc archives, one for each disk of the two disk set. These examples are not public domain, but may be used and distributed under the conditions specified in the copyrights. Author: Commodore Business Machines, Inc. FF344

**RMBSHift** A program that lets you use the right mouse-button (RMB) as a SHIFT-key when selecting multiple icons on the Workbench. Only uses 174 bytes of memory. Version 1.0, includes source in assembly. Author: Preben Nielsen FF547

**RoadRoute** A program that determines from a user modifiable data base, the shortest and fastest routes between two cities. Includes a coarse and a detailed data set and a program, RoadScan, for examining the contents of large RoadRoute data files. This is version 1.7. Includes source. Author: Jim Butterfield FF504, FF396, FF358, FF328, FF251

**Robert** Grey scale digitization of a startled young man, an IFF picture. AM7

**Robot** A picture of a robot arm grabbing a cylinder. AM12

**Robot IFF** picture of toy robot. AM7

**Robotroff** Another of Leo's cute little display hacks. This one has a definite attraction to pointers (don't want to spoil the surprise) Author: Leo Schwab FF59

**Rocket** Another interesting Workbench display hack. This one is really a game in disguise. It is the same as the one on FF82, but also includes source. Author: Peter daSilva FF85, FF82

**Rocket** Another program in the long tradition of screen hacks. This one zeroes in on your mouse pointer. Binary only. Author: Lars Clausen FF303

**roff** A 'roff' type text formatter, roughly following 'Software Tools' version. Somewhat upwardly compatible with UNIX 'nroff' command. Author Ken Yap FF3

**RolandD110** A program to transfer sound samples between the Amiga and a Roland D-110. Version 1.0, binary only. Author: Dieter Bruns FF255

**RolandS220** A program to transfer sound samples between the Amiga and a Roland S-220. This is version 2.0, an update to MIDIsort version 1.0 on disk 199. Includes several enhancements. Binary only. Author: Dieter Bruns FF255

**RollOn** A Soko-Ban like shareware game, submitted by the author. Includes both English and German versions, a level editor, and digitized sounds. Version 1.1, binary. By Tobias Eckert FF302

**ROMWack** Text files with tips on using ROMWack. AM1

**ROR** AmigaBASIC boggling graphics demo. AM8

**ror** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Rord** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Roses** A program that draws sine roses. Implements an algorithm given in the article 'A Rose is a Rose ...' by Peter M. Maurer in American Mathematical Monthly, Vol 94, No. 7, 1987, p 631. A sine rose is a graph of the polar equation  $r = \sin(n \cdot d)$  for various values of n and d. By Carmen Artino FF345

**ROT** C version of Colin French's AmigaBASIC ROT program from Amazing Computing. ROT edits and

displays polygons to create three dimensional objects. Up to 24 frames of animation can be created and displayed. E-D AM18

**Rot** Program which generates and displays 3D objects. Consists of two pieces, an object editor and an action editor. The object editor creates 3D objects and the action editor defines up to 24 3D views of an object (which can be quickly cycled to get an animation effect). Version 0.5, binary only. By C. French FF71

**Rounding Off Your Numbers:** Programming routines to make rounding your numbers a little easier. Author: Sedgwick Simons AC9

**RPN** An emulation of an Hewlett-Packard pocket computer on your screen. Version 1.00, includes source (SAS-C). Author: Maurizio Loreti FF539

**RPSC** A reverse polish scientific calculator. RPSC is a programmable RPN calculator in the Hewlett-Packard tradition. It supports operations with real numbers, complex numbers, matrices, and 3-D vectors, as well as storage and recall of labeled variables. Data and programs may be saved, loaded, or written as ASCII text, to AmigaDOS files. V1.1, binary. By Gary Teachout FF250

**RRamDisk** Another recoverable ram disk. This one supports up to 32 units and can be autobooted. Unused sectors are deleted from memory. The ram disk can be formatted, copied to, or used just like a normal disk drive. Binary only. Author: Bob Dayley FF451

**RSIClock** Yet another nice little clock utility that can sit around in your title bar. Lots of options. Version 1.3, binary only. Author: Roy Laufer FF67

**RTCubes** A little graphics demo that shows 163D cubes in a 3D space, all being translated, rotated, and drawn on the screen in real time. Binary only, takes over the machine, reboot to recover. Author: Ralph Russell FF67

**Rubik** Another 3D Rubik's cube solver independantly authored from the version on disk #285. Version 1.0, includes source. Author: Martin Round FF362

**Rubik** Translation to C of a Rubiks Cube solver program originally written in Basic by John Murphy. Includes versions to do an 'unwrapped' 2D solution, and a more visual 3D solution. Version 0.0, includes source. Author: Roger Uzun FF285, FF29

**Ruler** Ruler is a small tool used in the measurement and con- strainment of text. Originally conceived as a tool for insuring that filenames didn't exceed the Amiga's 30 character limit, it is nevertheless useful in any situation when the number of characters in a line of text needs to be counted. Version 5.00, includes source. Author: Thad Floryan, Chad Netzer and Dave Schreiber FF496

**RunBack** A very compact version of the popular utility for starting a CLI process in the background, without preventing the CLI window from closing. This version is pure and only 468 bytes long. Requires the NULL: device, which is included. Using NULL: makes it more flexible and robust than older RunBacks. Can optionally delay up to nine seconds after starting the command. Includes source in assembly. Author: Paul Kienitz. FF429

**RunBack** Allows you to start a new CLI program and run it in the background, then closes the new CLI. This is version 6, an update to the version on disk 152 (the version on disk 214 appears to be on a different evolutionary path). This version compiles under Lattice with many optimizations enabled, and can be made resident. Includes source. Author: Rob Peck, Daniel Barrett, Greg Searle, Doug Keller FF240, FF214, FF152, FF65

**RunBackGround** Ancient history, but when I went looking for it on my disks, it was apparently something I missed. This program performs a function similar to that performed by RunBack on FF66, but this one is in C rather than assembler. Includes source. Author: Rob Peck FF73

**Running** A classical maze and puzzle game. You run around in a maze and try to catch the ghosts or spiders. It is completely multitasking friendly and compatible with AmigaDOS 1.2/1.3 and 2.0. You can design your own levels. Binary only. Author: Jorrit Tyberghein FF418

**RussianFonts** Russian Fonts ranging from 13 points to 31 points. Author: Daniel Amor FF517

**Rxgen** An ARexx library that allows you to call any function of almost any Amiga library from an ARexx program. This is version 1.0, binary only. Author: Francois Rouaix FF459

**Rxil** An ARexx interface library that makes it easy for programs to implement a complete, robust ARexx interface with minimal effort. Version 1.0, includes source. Author: Don Meyer FF299

**S220to8SVX** Converts sound samples from a Roland S-220/S-10/MKS-100 to 8SVX IFF 8-bit samples. This is version 1.4, an update to version 1.0 on disk 286. New features include volume-adjust and start-

endpoint setting. Includes source in assembler. Author: Dieter Bruns FF514, FF286

**Sabotage** Sort of an adventure game. A Basic program. AM3

**sabotage** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**SafeBoot** Very handy intuition-based program to read and save custom bootblocks. The bootblock can then be later restored should the disk become virus-infected. Version 2.2, binary only. Author: Mark Lanoux FF175

**SafeMalloc** Ever have a program that corrupts its own memory? Well, this little gem can help you find the problem in a hurry. Acts as an interface between your program and the real malloc, checking for overrun, under run, and duplicate freeing of malloc'd space. Author: Bjorn Benson, modifications by Fred Fish FF27

**saletalk** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Sam** Another IFF sound player with several command-line options, plus several samples. V1.0, binary. By Nic Wilson FF182

**SAMP** An IFF sampled sound format designed for professional music use. It can be used for 16-bit samples, multiple waveforms, etc. Includes a SAMP reader/ writer shared library, interface routines, and programming examples. Includes a program to convert 8SVX to SAMP. By Dissidents Software FF348

**Samp** Documentation and interface library for an IFF FORM SAMP, 16-bit sampled sound file format. This format allows more than one waveform per octave, and the lengths of different waveforms do not have to be factors of 2. Includes a utility to convert 8SVX files to SAMP format. Version 1.0, binary only. Author: Jeff Glatt FF307

**samplefont** A sample font that produces clubs, hearts, spades, and diamonds as its four characters. Shows precisely what is contained in an Amiga font. Author: Unknown FF5

**SampleScanner** By-passes the Amiga Dos file system and scans a disk directly, block by block, for sound samples. Allows you to hear the disk as it is being scanned. If a sample is found, it can be saved to disk for editing, direct use, etc. Author: Steven Lagerweij FF363

**SANA** Release 2 of the Standard Amiga Network Architecture device driver specification. This is a specification for the device driver level only. Author: Raymond Brand, Martin Hunt, Perry Kivolowitz FF540

**Sand** This program has 'magnetic grains of sand' that follow the pointer wherever it goes. Cute. Binary only. Author: Eric Vaughan FF82, AM21

**SandGlass** A program to animate the original Workbench busy pointer. Only for Workbench/ Kickstart up to version 1.3. Version 1.0, includes source. Author: Dirk Rimmelt FF548

**SASTools** Various submissions from 'Sick Amiga Soft'. Includes some virus tools, some screen hacks, some small games, and miscellaneous utilities. Includes source in assembly and Modula-II. Author: Jorg Sixt FF338

**Saturn** An IFF picture. AM6

**Saucer** Simple shoot-em-up game. A Basic program. AM1

**SaveILBM** This program saves any screen as an IFF pic. Executable program and documentation. AM8, AM7

**saxophone** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Sb** Structure browser, that displays system structures via pointers found in other structures. You start from IntuitionBase and go from there. Version 1.0, includes source. Author: Nick Sullivan and Chris Zamara FF69

**SBackup** Programmers utility to assist in maintaining old versions of source code. SBackup maintains 2-99 old versions in any location desired. Version 1.00e, binary only. Author: George Kerber FF432

**SBall** A game using the joystick to control a 'bouncing ball'. Binary only. Author: Hertzog Wolfgang and Meisner Christian FF461

**SBProDemo** A restricted use trial version of Superbase Professional 4 complete with sample application. The limitations are 35 records max per file, programs can be edited but not saved, and forms can be edited but not saved or printed. In every other respect this is identical to the release product. SBpro4 is compatible with SB4 Windows V1.21. Version 1.0, binary only. Author: Precision Software Limited. FF492

**SBProlog** V1.a Volume 1 of the 2 volume Stony Brook Prolog (SBP) distribution, version 2.3.2. This volume contains the executables and libraries. Volume 2, on FF 141, contains the C and Prolog source code. From the SB-Prolog System, Version 2.2 User Manual: 'SB-Prolog is a public-domain Prolog system for UNIX(tm) based systems originally developed at SUNY, Stony Brook. FF140

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**SBProlog V1.b** The core of the system is an emulator, written in C for portability, of a Prolog virtual machine that is an extension of the Warren Abstract Machine. The remainder of the system, including the translator from Prolog to the virtual machine instructions, is written in Prolog. FF140

**SBProlog V1.c** In addition to providing a compiler, SB-Prolog also offers advanced features such as dynamic loading, mixing of compiled and interpreted code, macros, extension tables, a debugging facility offering two levels of tracing, profiling tools, and other utilities. Authors: Logic Programming Group at SUNY, Stony Brook Amiga port by David Roch and Scott Evernden FF140

**SBProlog** Volume 2 of the 2 volume Stony Brook Prolog (SBP) distribution, version 2.3.2. This volume contains the C and Prolog source code. Volume 1, on FF 140 contains the executables and libraries. From the SB-Prolog System, Version 2.2 User Manual: 'SB-Prolog is a public-domain Prolog system for UNIX(tm) based systems originally developed at SUNY, Stony Brook. The core of the system is an emulator, written in C for portability, of a Prolog virtual machine that is an extension of the Warren Abstract Machine. The remainder of the system, including the translator from Prolog to the virtual machine instructions, is written in Prolog.' In addition to providing a compiler, SB-Prolog also offers advanced features such as dynamic loading, mixing of compiled and interpreted code, macros, extension tables, a debugging facility offering two levels of tracing, profiling tools, and other utilities. Authors: Logic Programming Group at SUNY, Stony Brook Amiga port by David Roch and Scott Evernden FF141

**Sc** Program which demonstrates generation of good looking pseudo-random scenery. Includes source in C (translated from Draco version on FF61). Author: Chris Gray FF87

**Scales** Sound demo plays scales, C program in C source code and executable program. AM3

**scales** Demonstrates use of the Audio functions in the ROM to produce four voice sounds. It uses a simple waveform (sawtooth) with no amplitude control (ie, envelope) or frequency variation (ie, vibrato), but these can be easily implemented. Also includes considerable documentation on audio device. By Steven A. Bennett FF6

**Scan** CLI utility to display the individual character contents of any file. Displays the ASCII and Hex values, count and percentage of total along with actual character (if displayable). Listing is displayed on a console window or optionally written to an output file. Possible uses would be to scan files for binary characters, relative character counts, matching numbers of special characters, determining LF/CR configurations, etc. Version 1.0, includes source. Author: Dan Fish, console routine by Jim Cooper FF464

**ScanIFF** Scans through an IFF file, identifying the elements. Faster than standard utility IFFCheck since it uses Seek, but does not do IFFCheck's detailed format checking. Intended for use as a template from which programmers can code their specific application. For example, an expanded version has been used to extract instrument data from music files. Includes source in assembler. Author: Jim Butterfield FF358

**Scanner** Scanner makes commented C code of all intuition structures in memory. The structures will receive correct pointers towards each other. Scanner starts looking at IntuitionBase, and follows all pointers, storing them in memory. When finished, it writes all the structures to the standard output. Version 1.0, includes source. Author: Stefan Parmark FF218

**Scanning the Screen:** Part four in the fractals series. This article covers drawing to the screen. In AmigaBASIC and TrueBasic. Author: Paul Castonguay. AC7

**SCAT V1.00** Utility to 'cat' binaries without blowing up the display FF168 & 169

**Scat** Another display hack, created from Le, AM180 Schwab's 'Ing' display hack. Binary only. Author: Stephen Pietrowicz FF81

**SceneGenDemo** Demo of a program called Scene Generator, that generates very realistic looking landscapes. This program is an enhanced, low cost commercial version, of the Scenery program included on disk 155. This is version 2.03, binary only. Author: Brett Casebolt FF299

**Scenery** A very nice assembly language random scenery generator. Generates very realistic looking landscapes. Includes intuition interface and lots of menu options. Version 1.0, binary only. Author: Brett Casebolt FF155

**Scheme** 'Scheme' is a statically scoped and properly tail-recursive dialect of the Lisp programming language invented by Guy Lewis Steele Jr. and Gerald Jay Sussman. Binary only. Amiga port by Ed Puckett FF149

**ScienceDemos** Some science demos. Sidereal is a tutorial program which introduces the user to the relationships

between Julian and calendar dates and solar and sidereal times. J2000 is a utility program which converts stellar positions, proper motion, parallax and radial velocity from the standard epoch B1950 (FK4) to epoch J2000 (FK5). Galilean is a tutorial program which determines the position of the Galilean satellites relative to Jupiter. Programs courtesy of David Eagle at Science Software. FF27

**SciSubr** The Scientific Subroutine Package from DECUS, ported to the Amiga to run with AboSoft Fortran. This is a valuable resource of mathematical and statistical source code for those doing Fortran work on the Amiga. Author: Unknown; ported to the Amiga by Glenn Everhart FF142

**SCM** Screen Color Modifier. A palette program that allows the changing/saving/loading of a screen's colors. Includes a separate loader program that can be used in batch files to set a screen's colors to predefined values after a program has been launched. Version 1.0, binary only. Author: Jean-Marc Nogier FF367

**ScnSizer** Sets the preferences data for increasing the window bounds, and takes effect immediately. Includes source. Author: Thad Floryan FF79

**ScottDevice** A mountable MicroForge SCSI driver. Supports one SCSI bus device with two hard disk units attached to it. Version 33.1, includes source. Author: Scott Turner FF84

**Scrambler** A simple program that will encode/decode a text file into illegible gibberish, which resembles executable code, to evade prying eyes. Version 0.01, Binary only. By Foster Hall FF148

**Screen Saver:** A quick remedy to prolong the life of your monitor. Author: Bryan Catley AC8

**ScreenDump** Dumps rastport of highest screen/window to printer. Author: Carolyn Scheppner FF33, AM8

**ScreenJaeger** A screen capture program that works by scanning through memory, allowing you to grab screens from programs that don't multitask, and save them as IFF files. Features include an Intuition interface, multiple bitplanes, support of all Amiga display modes and resolutions, CHIP and FAST memory, overscan, and both NTSC and PAL. This is version 1.0, includes full C source. Author: Syd L. Bolton FF523

**ScreenMod** Allows you to modify most of the parameters of any screen structure in memory, including colors and viewmodes. Useful for PAL programs which open their screens low. Has a companion program to automate changes later on. This is version 1.0, includes source. Author: Syd Bolton FF493

**ScreenSave** A program to save a normal or HAM mode screen as an IFF file. Also creates an icon for the saved file. Author: Carolyn Scheppner FF55

**ScreenShare** A library and support programs that enable applications to open up windows on other applications' custom screens. For example, your editor may want to open a window on your terminal emulator's screen so you can compose a message while still being able to see the contents of the terminal's screen. Both applications must cooperate for the screen sharing to work. This is version 1.21. Includes source for interface portions. Author: Willy Langeveld FF308, FF246

**ScreenShift** Screenshift is a small program that allows you to adjust the position of the screen on your display, just like the preferences function. Works from CLI or WorkBench. Includes source. Author: Anson Mah FF89

**ScreenX** A program designed to make getting at screens easier, particularly screens that are lost behind other screens that don't give you depth gadgets. You can pop them to the front, push them to the back, save the screen to an IFF file, print it, and even try to close it. This is version 3.0, an update to version 2.1 on disk 158. Binary only. Author: Steve Tibbett FF418, FF158

**ScreenZap** A utility that forcibly removes screens and windows from your system. Useful to get rid of zombie screens or windows that have been left around by aborted or buggy programs. This is version 2.3 and includes source. By Lars Clausen FF303, FF157

**Scripper** Short for 'SCreen Image PRINTER'. A screen dump utility which can be run from the workbench or the CLI. Author: Perry Kivolowitz FF18, AM8

**Script** A script language that allows you to automate actions you would normally have to do manually. Script can do anything that you do manually, by either the mouse or keyboard, by using a set of commands that instruct Script to simulate specific mouse or keyboard actions. Also has an ARexx port, so it can be driven by ARexx allowing ARexx control over programs that do not have ARexx ports. Includes both a recorder to generate scripts and a player to execute them. This is version 1.20, binary only. FF288

**ScrollDemo** Demonstrates the text scrolling capabilities of AmigaBASIC. AM9

**ScrollPf** Creates and displays a 400 by 300 by 2 bit plane playfield on top of a 320 by 200, 2 plane deep playfield, as a demo of dual playfield display. Author: Carolyn Scheppner FF35

**Scrub** A floppy drive cleaning program which automatically detects which drive has a cleaner diskette in it. Spins it for thirty seconds while moving the heads around. Pure. Includes source. Author: Paul Kienitz. FF429

**SCSIMounter** An interactive, fully automated partition mounter especially suited for removable media SCSI drives. SCSIMounter auto- matically scans the Rigid Disk Block of the drives and presents the user with a partition selector which allows the individual selection of the partitions to mount. Requires Kickstart 2.0. Binary only. Author: Martin A. Blatter FF532

**SCSIPrefs** A Preferences editor for the battery backed up memory in the Amiga 3000. This small program allows you to change the bits that control some parameters of the embedded SCSI host adaptor. Requires Kickstart 2.0. Binary only. Author: Martin A. Blatter FF532

**SCT** A CLI-based utility (SetColorTable) for displaying and/or setting a screen's colors. You can save the colors of a screen to be restored later, or copy one screen's colors to another. Includes source. Author: aklevin FF151

**SculptTools** Programs to create objects for use in Sculpt 4D. Includes Brush\_4D to convert IFF brushes to objects in full color with HAM and EHB support and wrap to various shapes (update to version on disk 361), Fractal\_4d to create fractal mountains with various coloring from brush, checkers or based on altitude, and Spiral\_4d to create a variety of objects based around tubes and helices. Binary only. Author: Bruce Thomson FF430

**Sdb** Simple database program, originally released on aDECUS VAX SIGtape. Unknown author, Amiga port by Mic Kaczmarczik FF33

**SDBackUp** A hard disk backup utility. CLI interface only. Does file compression. Version 1.1, binary only. Author: Steve Drew FF128, AM26

**SeaHaven** Demo version of a solitaire type card game. The object of the game is to separate the deck into its four suits, each in an ordered stack from ace to king. Version 1.1, binary only. Author: Steve Francis FF260

**SeaLance** Game based on a Trident submarine simulator. You must use the weapons at your disposal to liberate the earth's cities from alien occupation. Binary only. Author: Jason Bauer FF462

**Search Utility:** A file search utility written in C. Author: Steven Kemp AC6

**Sectorama** A program designed to help Amiga users recover lost or damaged data from floppy or hard drives, or to repair a damaged volume. The author wrote this out of frustration with existing tools when he had multiple hard disk drive failures over the course of several months. This is version 1.1, an update to the version on disk 102. Binary only. Author: David Joiner FF108, FF102, AM24

**Sed** This is the GNU sed (stream editor) program, ported to the Amiga. Sed copies the named files, or the standard input, to its standard output, while performing certain editing operations specified in the command line script or in a scriptfile. Version 1.02, includes source. Author: Unknown, ported to Amiga by Edwin Hoogerbeets FF231, FF128

**SeeHear** A program to do a spectrogram of a sampled sound file. This is a graph with time on one axis, frequency on the other and the sound intensity at each point determining the pixel color. With source in C, including FFT routine. This is version 1.1. Author: Daniel T. Johnson FF335

**Selector** A program that helps you assemble programs on a boot disk and start them in a user friendly way by putting up a window with gadgets to launch programs. Version 3.0, update to version 2.5 on disk 302. Binary only. Author: Nico Francois FF542, FF302

**SendMorse** Brush up on your morse code with this simple program that will read an input textfile and output the characters at an adjustable rate. Author: Joe Larson FF175

**SendPacket** General purpose subroutine to send AmigaDOS packets. Author: Phillip Lindsay FF35

**SendPackets** Updated versions of the ASendPacket and SendPacket examples from FF35. A SendPacket is an example program for sending multiple packets asynchronously to a DOS handler, for those interested in implementing programs with asynchronous AmigaDOS file I/O. SendPacket is a general purpose subroutine to send AmigaDOS packets. Includes source. Author: Phillip Lindsay FF66

**SensoPro** You try to remember and mimic the sound/color sequence played by the computer. Each time you get it right, another sound/color is added to the se-

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quence. Great practice in case you ever find yourself in a 'Close Encounters of the Third Kind' experience. Binary only. Author: Peter Handel FF283

**Sentinel** A large ray-traced animation created with Turbo Silver SV, Deluxe Photolab, Deluxe Paint III, and the Director. It consists of approximately 60 to 70 frames of animation, rendered during a period of about three and a half weeks. This is Bradley Schenck's entry to the 1989 BADGE Killer Demo contest, and won first place in the contest. Because of its size, it has been split across two disks. The rest of the files are on disk 264. Requires 3Mb or more of memory to run. Author: Bradley Schenck FF263 & 264

**serial** Demonstrates access to the serial port. Requires an external terminal connected to the serial port. Author: Unknown FF5, AM5

**serisamp.c** Example of serial port use. C program. AM4

**seritest.c** tests serial port commands. C program. AM4

**SerLib** A shared library providing easy access to any serial device. Allows both synchronous and asynchronous access to the port. With support code for Lattice, Manx and Oberon. Includes examples in both C and Oberon (with source) and docs in ASCII, DVI, and PostScript. Shareware. Author: Garry Glendown, Oberon-interface by Frank Schummert FF523

**Set** Replacement for the Manx 'set' command (to set or change environment variables) with several improvements. Author: Tomas Rokicki FF31

**SetAlternate** Merge the images from two icons to produce one icon with a primary image, and a possibly completely different image to display when selected. By John Toebes VIII FF12, AM8

**SetBatt** A tool to set the configuration information saved in the nonvolatile ram of the A3000 clock chip. Allows you to adjust the SCSI select timeout and other system settings. Includes source in 'C' and assembly language. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**SetCCOPTS** Lets you easily deal with the MANX 'CCOPTS' environment variable. You can store settings to disk. Has a complete intuition interface. This is version 1.00, binary only. Author: Stephan Flother FF515

**SetClock** A utility to set or read the hardware clock on a Spirit Technology memory expansion board. Works in a manner similar to the SetClock utility which is supplied by Commodore with Amigas that have hardware clocks as standard equipment. Includes source in PCQPascal and assembler. Author: Willi Kusche FF390

**SetColors** A Palette replacement program that does a lot more in only 3K. Can save and load color files, and update preferences. Update to version on disk 419, with bug fix. Includes source in C. Author: Pierre Carrette FF549

**SetCPU** A program designed to allow the user to detect and modify various parameters related to 32 bit CPUs. Includes commands to enable or disable the text/data caches, switch on or off the '030 burst cache line fill request, use the MMU to run a ROM image from 32-bit memory, and to report various parameters when called from a script. This is version 1.60, an update to version 1.5 on disk 223. Includes source. Author: Dave Haynie FF400, FF223, FF187

**SetFont** Allows you to change the system font with various command-line options. Cleans up all known bugs in FF75. V2.5, includes source in C++. By Dave Haynie FF182, FF75, FF41

**setjmp.asm** setjmp() code for Lattice 3.02. in Assembler. AM2

**SetKey** Keymap editor, version 1.0 demo. Version without save function disabled is \$25. Binary only. Author: Charles Carter (CodeWorks)Vpg Video Pattern Generator. Creates displays useful for adjusting monitors and setting up live shots with center cross hair, frame, dots, H lines, V lines and an adjustable rectangle. Version 1.0. Author: Mike Berro FF70, AM18

**setlace** Program to toggle interlace mode on and off. When used with a black background, and amber or green characters, produces a nice CLI environment. By Bob Pariseau FF9, AM24, AM4, AM1

**SetMouse2** Program to set the mouse port to either the left port or right port. Author: Robert Burns at Commodore-Amiga FF20

**SetNoClick** Very simple program to set the NOCLICK flag in the public section of a trackdisk unit. Only works with version 36 and up of trackdisk.device. Includes source. Author: Marc Boucher FF392

**SetPALorNTSC** A couple of utility programs for testing the suitability of a developed program in either the PAL or NTSC environments. With source and a sample program. By Peter Kittel FF162

**setparallel** Allows the CLI user to dynamically change any particular parallel port parameter. Author: Keith Stobie and Tom Pohor FF6, AM4

**SetPrefs** Allows you to build a whole library of preference settings and instantly switch back and forth between them. Affects all preference settings not just the colors. Very useful for machines with multiple users or multiple external devices. Includes Amiga's default and various sample preference settings. Binary only. Author: Martin Hippele FF157, AM18

**SetRamsey** A program that allows you to test the current settings of the RAMSEY ram controller chip on an Amiga 3000 under Kickstart 1.3 or 2.0, and change them if you wish. Useful for hardware debugging to control static column mode, burst mode, or change the refresh rate. Version 1.02, binary only. Author: Nic Wilson FF423

**SetSerial.c** Set the attributes (parity, data bits) of the serial port. C program. AM4

**SetWindow** C program makes windows for a CLI program to run under Workbench in source code and as an executable. AM8

**SF2** File search utility. Default searching starts from the root directory of the specified device and descends down into its subdirectories. Searching includes looking into archive files generated by various compression utilities. Archive files ending with a .ARC, .LHZ, .ZIP and .ZOO are currently supported. Lots of command line options. Requires ARP 1.3 (rev. 39.1). Version 2.0, binary only, shareware. Author: Andrea Suatoni FF400

**SGD** This program makes it possible to delete games, that are saved by any of the existing Sierra adventures (e.g. Leisure suit Larry). The program has a LEARN-option for including new adventures. Version 1.0, binary only. Author: Maico Ditzel FF488

**Sh** Another version of the 'Sh' utility to unshar shell archives. Apparently corrects some problems encountered by similar programs. Until we can get everybody using some sort of 'standard', perhaps if we collect enough of these utilities, we will eventually find one that works with the particular archive we're trying to unshar! Includes source. Author: Jim Guilford FF174

**shades** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**ShadowMaker** Demo version of an Intuition based Font shadow generator. In seconds you can convert your favorite fonts into color fonts with professional video shadows built right in. The only restriction for this demo is that the final font height at SAVE times must be less than 40 pixels in height. Version 1.5, an update to version on disk 428. Binary only. Author: Stephen Lebas FF460, FF428

**ShangaiDemo** Demo version of the Activision game 'Shanghai'. Submitted directly by Activision for inclusion in the library. FF55

**Shapes** Simple color shape designer. ABasiC program. AM1

**shapes** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Shar** Two programs to pack and unpack shell archives on the Amiga. Shell archives are the traditional Usenet method of bundling multiple text files for posting as a unit or for sending via electronic mail. With source in C. By Fabbian G. Dufoe FF92, FF28

**Shared Libraries 'C':** C source and executable code that shows the use of shared libraries. Author: John Baez AC2

**SharedLib** Working example of how to build a shared library. Includes source. Author: James Syng FF79

**SharpFont** is an 8 pixel non-proportional font. FF105

**Shazam** A picture viewer for Dynamic HiRes images created with Macro Paint, the 4096 color high resolution paint program from Lake Forest Logic. Version 1.1, includes two sample Dynamic HiRes images and source for display program. Author: Lake Forest Logic FF449

**SHELL** V2.10 Added environment variable support and more. Use ConMan if you want command line editing, I do (it should not be a function of the shell and it isn't in mine). FF168 & 169

**shell** A simple csh style shell with history and some other goodies. Still needs some polishing and enhancement, but is quite nice as it. Thanks Matt!!! We've really needed something like this for a long time. Now if you would just do a ksh version instead... Author: Matt Dillon FF14, AM2

**Shm** A simple graphics demo which approximately simulates the motion of two interacting pendulums. Includes source. Author: Chris Ediss FF97

**ShortCut** A utility that collects keystroke sequences and allows you to replace them with a single key stroke. Binary only. Author: Opher Kahane FF90

**Show** A nice, very small slideshow type program, version 2.1, binary only. Author: Andry Rachmat FF60

**Show** A very versatile program to display IFF ILBM files. Features realtime unpacking scroll, smart analysis of any IFF file, total control over display modes, simple slideshow processing, pattern matching, and a dozen other options. Only 9K. Version 2.0, binary only. Author: Sebastiano Vigna FF323

**Show\_PrintII** Views and prints IFF pictures, including larger than screen. AM22

**showbig** Executable program which will view hi-res pics in low-res superbitmap. Documentation included. AM12

**ShowBiz** A fun animation with mice, a dancing alligator, a sheep on a trampoline, and more. Includes source in 'director format'. Author: Robert Corns FF261

**ShowDisk** A useful program that graphically shows the map of sectors used on floppy drives by one or more files. The mapping is color coded so you can identify what sectors are used by the various directories and files. Includes source in assembly language. Author: Bernhard Meisner FF269

**ShowGadgets** A simple utility to view all gadgets in a window. Includes source. Author: Jorrit Tyberghen FF420

**ShowHAM** Program to display HAM (Hold And Modify) mode images from the CLI environment. Executable only. FF32, AM7

**ShowILBM:** A program that displays lo-res, hi-res, interlace and HAM IFF pictures. Author: Russell Wallace AC5, AM7

**ShowPrint** A full-feature IFF picture file screen dump utility. Can display and print all sizes of pictures including those larger than the screen. Allows adjustment of printer output in three modes: ASPECT, FULL, and CUSTOM output. Print vertically or horizontally, in B&W, grey scale, or color, etc. Binary only. Author: Brian Conrad FF90, AM16

**ShowPt** CLI program changes your pointer to a given pointer. AM26

**Shuffle** A basic screen shuffler. Re-defines the key combination Left-Amiga-M to push the FRONT screen to the back, instead of pushing the Workbench screen to the back. Includes source. Author: Rob Eisenhuth FF229

**shuttle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM8, AM1

**ShuttleCock** Yet another animation from Eric Schwartz. Eric wanted to see if he could still do an animation that required less than 1 MB to run. Released May 1991. Author: Eric Schwartz FF504

**ShuttlePatch** A shuttle mission patch in an IFF picture. AM6

**SID** A very comprehensive directory utility for the Amiga that supports at least a couple of dozen different commands for operating on files. V1.06, binary only. By Timm Martin FF338

**sign.** This is an updated version of the program released on FF12, and now includes full source. Author: Barry Whitebook @ Commodore-Amiga FF14

**Signal** Two programs designed to make it easy to write shell scripts that must be synchronized with the operation of another, in order to avoid disk thrashing for example. Includes source. Author: Davide Cervone FF500

**SignFont** A keymap and font that will allow the user to be able to type in American Sign Language, provided that one knows the font. Author: Glyn Gowing FF211

**SiliCon** A smart input line interpreter that provides a separate command window with full editing and recall of previous commands. Actual name is 'Sili(Con):'. Binary only. By Pete Goodeve FF102

**Sim** A simulator for register-transfer nets, which are used to describe hardware systems. This version also provides a compiler to define new devices in addition to Sim's internal devices. V4.2, an update to FF229. Binary only. By Gotz Muller FF291, FF229

**SimCPM** A CP/M simulator for the Amiga. Simulates an 8080 along with H19 terminal emulation. Includes source. This is V2.3, an update to FF109. By Jim Cathey; Amiga port by Charlie Gibbs and Willi Kusche FF186, FF109

**SimGen** This program will add a 2 or 4 color picture to your WorkBench screen. If the picture is digitized, it will look much like a genlock, hence the name SimGen (Simulated Genlock). Binary only. Author: Gregg Tavares FF243

**SimpleReq** An example of a custom requester from Modula-2. AM11

**SimpleRexx** A set of routines that handle the low level ARexx work for you in such a way as to have your application work with or without ARexx on the target system. The goal of SimpleRexx is to make adding at least the minimum level of ARexx support to an application a trivial task. Includes source. Author: Michael Sinz FF539

# Freely Redistributable Software

**SimSmart** A general purpose utility that prints the program source code of almost any language, so that (for example) the keywords are emboldened and underlined, and the comments are italicized. These features are adjustable by the user, to suit individual taste. Tabbing also is adjustable, to harmonize with the nesting depth of a particular program. Output may be either on the printer, the screen, or to another file. SimSmart may easily be extended by the user to deal with extra languages. Version 2.10, shareware, binary only. Author: David Simon FF528

**singlePlayfield** Creates and displays a 320 by 200 by 2 bit plane single playfield display. Completely covers Intuition's display, but gives the system back at exit. Author: Rob Peck FF5

**singplay.c** Single playfield example. C program. AM4  
**SIOD** A small scheme interpreter (Scheme In One Defun) which can be used for calculations or included as a command interpreter or extension/ macro language in other applications. This is version 2.4. Includes source. Author: George Carrette FF525

**Sit** An update to the Set Icon Type program from FF107. Version 1.10, includes source. Author: Stephen Vermeulen FF137

**sitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Size** CLI program shows the size of a given set of files. Executable program and documentation. AM19

**SizeChecker** Size checker uses a list of possible sizes of a file to check for unexpected changes in the size of those files. For example, it can be used to spot a link virus or to point out changes in the configuration of your system. With the appropriate comments added to your size list, you can check to see what version of the files you are using (1.2, 1.3, 1.4, ARP, etc). Version 1.0, binary only. Author: Roger Fischlin FF244

**Sizzlers** A series of graphics demo programs. Version 1.7.0, binary only. Author: Greg Epley FF90, FF50, AM15

**Skel** A skeleton workbench application that makes writing workbench programs easier. Provides routines for main, initialization and termination, gadget and menu handling, argument processing, help window, about requester, etc. Version 1, includes source. Author: Joel Swank FF304

**sketchpad** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**SkewB** Rubik cube demo in hi-res colors, C program in C source code and executable. AM3

**skewb** Not quite sure what this is supposed to be, it was downloaded from a BBS with no documentation. C'mon folks, at least put a three line description at the start of your programs! Author: Raymond S. Brand FF9

**Skinny** C. Bob Riemersma's example for making small C programs. Source code, executable program, and documentation. AM19

**SKsh** A ksh-like shell for the Amiga. Some of its features include command substitution, shell functions with parameters, aliases, local variables, local functions, local aliases, powerful control structures and tests, emacs style line editing and history functions, I/O redirection, pipes, large variety of built-in commands, Unix style wildcards, Unix style filename conventions, filename completion, and coexistence with scripts from other shells. Very well documented. Version 1.7, an update to version 1.6 on disk 381. Lots of new features and bug fixes. Binary only. Author: Steve Koren FF489, FF381, FF370, FF342, FF309, FF291

**skysetserial** Allows the CLI user to dynamically change any particular serial port parameter. Author: Keith Stobie and Tom Pohorsky FF6

**SlavicFonts** A whole bunch of new fonts from Robin LaPasha. Version 1.0. Author: Robin LaPasha FF202

**Slicer** Slicer computes and displays images of the Mandelbrot and Julia sets. Unlike many Mandelbrot programs that generate pictures directly, Slicer computes and stores an array of raw data which it may then render into pictures in a number of ways. Version 1.0, binary only. Author: Gary Teachout FF249

**SlideMaster** A slideshow program that can show any IFF ILBM picture, including HAM, extra half bright, hires, interlace, and overscan, using several different wipes. Also has an ARexx port and is fairly small. Version 1.1, binary only. By Aric Caley FF274

**SlideShow** Very nicely done slide-show program written in assembly language. Features forward/backward presentation and creative screen wipes. Currently works only with IFF lo-res pictures. Executable only along with some new IFF pictures to have come my way. Shareware (\$16). Authors: Mike McKittrick and Sheldon Templeton FF151, AM6

**slideshow** Instructional text to produce your own slideshows from the Kaleidoscope disk. AM12

**slot** A slot machine game written in AmigaBASIC. AM11  
**SlotCars** A fast action one or two player game of 'dueling' slotcars. Shoot rockets at your opponent and avoid his. Binary only. Author: Brian Moats FF254

**SM** Small utility to center the display. Recoded version of 'ScreenShift' by Anson Mah (Disk 88), only half the size. Includes source. Author: Anson Mah, Lattice V5.04 recoding by Oliver Wagner FF390

**SmallIC** An Amiga port of the Small-C compiler, written by Ron Cain and published in Dr. Dobbs's Journal, in about 1980. Small-C is a rather small subset of the full 'C' language. However, it is capable of compiling itself, and other small, useful programs. Requires an assembler and linker to complete the package and produce working executables. Includes source and binary. Author: Ron Cain. Amiga port by Willi Kusche. FF141

**SmallClock** A small digital clock in a window menu bar as a C program. AM8

**SmallLib** A replacement for amiga.lib that is about 8 times smaller. Binary only. Author: Bryce Nesbitt FF92

**SMan** A Mandelbrot generation program. Uses the mouse to select regions within borders of the Mandelbrot set to zoom up to magnifications of 10\*\*19. Includes math coprocessor support and options to save images as an IFF file. Shows example of assembly programming of extended precision for the 68881. Includes source. Author: David McKinstry FF447

**SmartFields** SmartFields is a replacement for Intuition string gadgets. It allows you to incorporate into your Amiga C programs the powerful editing capabilities often found in mini-computers. Includes full C source and documentation. Author: Timm Martin. FF430

**SmartIcon** This shareware program, submitted by the author, is an Intuition objects iconifier. Version 2.0 is still limited to iconifying windows, which is still very handy. It adds a new 'iconify gadget' to each window, that when clicked on, iconifies the window into an icon in the ram: disk. This is version 2.0. Includes source. By: Gauthier Groult FF316, FF214, FF134

**Smith-Corona D300** Printer driver for the Smith-Corona D300. AM9

**sMOVIE** A smooth scrolling text displayer, useful for creating video titles, slide show intros, etc. Includes source. Author: Martin Round FF362

**Smus3.6a** An enhanced version of the smus player that last appeared on FF58. Author: John Hodgson FF167

**Smush** Another display hack, feed it an IFF file and see what happens. Binary only. Author: Hobie Orris FF81  
**SMUSMIDI** Converts SMUS Files output by Electronic Art's Deluxe Music Construction Set into standard MIDI files that can be read by modern sequencing software. Version 1.0, includes sample data files and source in C. Author: Thomas E. Janzen FF537

**SMUSPlay** Amiga Music Player. AM23

**SmusPlayers** Two SMUS players, to play SMUS IFF music formatted files. Executables only. Author: John Hodgson FF58

**SNAG\_Pointers** Results of the Southern Nevada Amiga Groups (SNAG) first animated pointer contest. Authors: Various, pointer animation program by Tim Kemp FF364

**Snake** A variant on the old 'bouncing lines' program, this one uses multiple vertices and Bezier splines. Includes source. Author: KABjorke FF89

**SnakePit** A simple, yet addictive game in which you must get the snake (you) off of the screen. There are, however, some rough spots and some obstacles that may need to be overcome. Excellent example of a game that is as system friendly as possible (with source). By: Michael Sinz FF343

**Snap** A tool for clipping text or graphics from the screen, using the clipboard device. Snap finds out character coordinates automatically, handles different fonts, keymaps, accented characters, and more. V1.4, an update to FF274. Includes source. By: Mikael Karlsson FF326, FF274

**Snap** A tool for clipping text or graphics from the screen, using the clipboard device. Snap finds out character coordinates automatically, handles different fonts, keymaps, accented characters, and more. Version 1.62, an update to version 1.4 on disk 326. Includes source. Author: Mikael Karlsson FF524  
**SnapShot** A small utility for dumping screens. This one works like POPCLI and stays dormant until you press Ctrl-Esc. Previous release on FF66 did not work with with expansion RAM, this one does. Binary only. Author: Francois Rouaix FF73, FF66

**snare drum** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**SnipDemo** Demo version 1.23 of signal processing program sold by Digital Dynamics. Binary only. Author: John Hodgson FF199

**SnipIt** An input handler wedge which allows you to clip text from any window and then paste that text any-

where, as though you had typed it on the keyboard. You mark the text you want to 'snip' using the mouse, and then use the mouse to 'paste' the last snipped text into the active window, requester, or anywhere. Version 1.2, includes source. Author: Scott Evernden FF217  
**SnoopDos** A utility for monitoring AmigaDOS calls. In particular, it allows you to see what libraries, devices, fonts, environment variables or startup files a program is looking for. Very useful when you're trying to install a new application. Version 1.2, an update to version 1.0 on disk 388. Includes source in C. Author: Eddy Carroll FF451, FF388

**Snow** AmigaBASIC makes snowflake designs. AM25

**SnowFall** Another program in the long tradition of screen hacks for the amiga. Watch the snow fall, get blown around by the wind, and collect in realistic heaps. With source. By Lars Clausen FF303

**Softballstats** Maintain softball statistics/ team records. AM25

**Softfont** Converts portrait soft fonts for HP Laserjet compatible laser printers to landscape format. Includes source. Author: Thomas Lynch FF342, FF327

**SoftSpan** Soft Span BBS program. Intuitive, command-line based menu system with message bases, uploads, downloads, file credit system, extensive help system, etc. Version 1.1, an update to that on FF343, includes bug fixes and some enhancements. Binary only. Author: Mark Wolfskehl FF374, FF343

**Sol** Amiga version of solitaire game posted to usenet some time ago and modified to use Amiga console control codes in place of curses calls. Includes source. Author: David Goodenough; Amiga port by Joel Swank FF103

**Solitaire** A shareware solitaire game, known widely as Klondike. The rules can be varied, and there are five different ways of working through the deck. Also includes a palette requester to fine tune the colors to your liking and a save-setup function that remembers how all the options are set. This is version 1.8, binary only. Author: Gaylan Wallis FF511

**Solitaire** Two new ABasiC games, Canfield and Klondike. Author: David Addison FF32

**Solitaire** Yet another solitaire game. Nicely done with good graphics and sound. Shareware. Author: Pat Clark FF512

**SolitaireX** A solitaire game. Features include all possible moves shown with a pulsing green box around the card, reshuffle, unlimited undo, and tournament mode. Binary only. Author: Stephen Orr, Gregory M. Stelmack FF448

**Solve** Linear equation solver in assembly language. Source code, executable program and documentation. AM19

**SonixPeek** A utility to let you list all the instruments used by one or more Aegis Sonix score files. It can scan individual files, or search one or more directories, checking all score files in each directory. The output is a list of all the instruments you need to have present in order to be able to play the indicated score files. Includes source. Author: Eddy Carroll FF217

**sortc** A quicksort based sort program, using separate driver and sort modules. Originally from a DECUS C distribution. Claims to be fast, but when operating entirely out of RAM takes 93 seconds to sort its input file, sort.c, while AmigaDOS's sort takes only 43 seconds under the same conditions. Author: Dave Conroy, Martin Minow, and Ray Van Tassle FF6

**Soundemos** Some very nice demos for showing off the incredible audio power of the Amiga! 100% assembly language, make sure you have the stereo connected for these! Author: Foster Hall FF167

**SoundEd** Demo version of an 8SVX sound editing package, written in machine code for optimum speed and minimum size. Can also be used for digitizing with SoundEd or Perfect Sound hardware. Version 1.0, demo, binary only. Author: Howard Dortch and Mike Coriell FF486

**SoundEditor** An 8SVX stereo sound file editor written in assembly language for speed and minimum size. This is V.98, an update to V.80 on disk 355. Many new features including a working digitizer, raw loads, raw mac loads, time markers, rate converters, delay, ramp, filters, scroll, and it will iconify. Binary only. Authors: Howard Dortch, Mike Coriell, Matt Gerald FF416, FF355

**SoundExample** A double buffered sound example for Manx C using 16-bit ints, small code, and small data. Author: Jim Goodnow FF55

**Sounds** Text explanation of Instrument demo sound file format. AM1

**Sozobon-C** Atari ST version of what appears to be a full K&R freeware C-compiler, assembler and linker. The compiler main pass and the assembler were compiled and tested on an Amiga A2000 with only minimal changes, and they appear to work (to the extent that they believe they are running on an Atari-ST), so an Amiga port should be relatively easy. By Sozobon, Limited. FF171

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Last Minute Additions

**SpaceAceDemo** Shareware shoot-em-up spaceship game. Binary only. Author: Stephen McLeod FF90

**spaceart** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Spacelog** A database containing data for all of the man related space missions of the United States and the Soviet Union that were related to the development of manned space flight, from the beginning of the space age to the present (368 missions), listed in chronological order. Includes an AmigaBASIC program to manipulate the database. Version 1.54, binary only. Author: Gene Heitman FF305

**SpaceWar** A two player game with each player controlling a spaceship. The object is to shoot the other player, gaining one point for each kill. The game ends when a player reaches fifty points. Version 1.11, binary only. Author: Jeff Petkau FF420

**Spades** Amiga'ized version of the popular card game. This is a single player version, where you play one hand and the computer plays your partner and also your two opponents. Version 1.1, includes source. Author: Greg Stelmack FF392

**Spades** This is an Amiga version of the card game spades. It is a one player version, where the computer plays your partner and two opponents. This is version 1.2, an update to version 1.1 on Disk 392. Includes source in C. Author: Greg Stelmack FF485

**sparks** Graphics demo that draws a 'moving pathway', adding to the front and removing from the tail (sure is hard to come up with verbal descriptions of these things!) By Scott Ballantyne FF9, AM1

**Spawn** Programmer's document from Commodore Amiga, describes ways to use the Amiga's multitasking capabilities in your own programs. AM15

**Speaker** Speech utility. ABASIC program. AM1

**SpeakerSim** Demo version of SpeakerSim 2.0, a loud-speaker CAD program. Simulates vented (Thiele-Small) and closed box systems. Also simulates 1st, 2nd, and 3rd order high and low pass filters. Binary only. By: Dissidents FF340

**SpeakIt** Speech and narrator demo. ABASIC program. AM1

**speakspeech** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**speaktime** Speaking program which will tell the time. Executable program and documentation. AM12

**Spectrogram** Amiga Spectrogram computes a frequency analysis of any 8 bit audio data file and creates a high resolution color display showing frequency content versus time. Display color is continuously adjustable. This type of display when applied to the human voice has been called a voiceprint. This tech-nique has also been used to analyze sounds of many kinds of animals including birds, dolphins, whales, etc. The audio data file can be replayed at any desired rate, giving a simultaneous audio and visual representation of the sample. A selection of interesting audio samples for analysis by Amiga Spectrogram is included. Version 6.3, binary only. Author: Richard Horne FF543

**speech** Sample speech demo program. Stripped down version of 'speechtoy' Author: Rob Peck FF1

**speech.demo** A simplified version of speechtoy. Also includes exec support functions for extended IO requests, CreateExtIO() to allocate and initialize a new IO request block and DeleteExtIO() to free an extended IO request block By Rob Peck FF5

**speecheasy** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**SpeechTerm** Terminal emulator that can speak the received text. Also has XMODEM file transfer. Author: Leftheris Koutsofios FF20

**speechtoy** Latest and greatest version of Dave's cute speech demo program. Comes with custom icon so you can be run from a workbench screen. Author: Dave Lucas FF5, FF1, AM4, AM1

**Speed** A performance benchmark useful for comparing Amiga processing speeds. Performs 10000 iterations of some selected groups of 68000 instructions while using the DateStamp time function to record how many ticks it takes to complete. This timed duration is then compared against two known prestored times, one for a stock A2000 Amiga and one for an A2620 enhanced A2000. A relative comparison is calculated and displayed. Version 1.0, includes source in assembly language. Author: Jez San FF237

**SpeedDir** Another faster directory lister type program. This one uses the standard dir utility format for displaying directories. Written in assembler, includes source. Author: Bryce Nesbitt FF75

**Spell** A port of a Unix version of a freely distributable screen oriented, interactive, spelling checker. Update to

FF54, with enhancements by Tomas Rokicki. V2.0.02, with source. Author: Pace Willisson; enhancements by Tomas Rokicki FF191, FF13

**Spelling** simple spelling program in AmigaBASIC. AM8, AM1

**Spew** Program which generates amusing 'National Enquirer' type headlines. Works from a 'rules file' which describes how the headlines are to be constructed. Includes source. Author: Gregory Smith (original by 'mark@pixar') FF69

**sphere** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Spiff** Make controlled approximations between two files. Similar to 'diff' but more versatile. Allows for the handling of numerals as string literals or numeric values with adjustable tolerances. Provides for embedded commands, scriptfiles, and many other command-line parameters. Potentially very useful, but needs some Amiga-specific work. Source and some example files included. Author: Dan Nachbar, Bell Communications Research (BELLCORE) FF172

**Spigot** This ray-traced animation, using overscan HAM and sound effects, is Eric's entry to the 1989 BADGE Killer Demo Contest- it won 6th place. Binary. By Eric J. Fleischer (Dr Gandalf) FF72

**Spin3** Simple program that creates spinning cubes and transforms them into op-art. Example of how to create a double buffered display with color tables that can be changed. Author: Ronald Peterson FF32, AM12

**SpinPointer** While going through some musty archives I found this little gem that got overlooked before. It is a short source module that provides a 'busy' indicator replacement for the standard mouse pointer. Includes source. By Mark Rinfret FF269

**spiral** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Spliner** A spline screen blander commodity, derived from the spline code extracted from Tom Rokicki's Mackie and encapsulated into a standard AmigaDOS 2.0 commodity. Binary only. Author: Tom Rokicki, Sebastiano Vigna FF517

**Splines** Program to demonstrate various curve fitting and rendering techniques. Also includes something unique for the Amiga world, pop-up menus. Includes source. Author: Helene (Lee) Taran FF97

**Spool** The SPOOL system consists of 3 programs: A queue manager, a printer driver, and a SPOOL request program. The SPOOL system demonstrates the power of the Amiga's multitasking abilities in a very practical way. It makes extensive use of Amiga Exec's message passing facilities and list-handling primitives. Version 1.2, includes source. By Tim Holloway FF69

**SpreadSheet** A simple 'Visicalc-like' spreadsheet calculator. Also known as 'vc' but there is currently a debate about whether or not that name is a registered trademark. The version on FF36 was based on an earlier version of the same source. This release also includes source code. Author: James Gosling, Mark Weiser, and Bob Bond. Amiga port by Dave Wecker FF53

**Spright** Spright is a sprite making utility. Simple or attached sprites can be saved to a file ready to be added to your program. The colors used with the sprite(s) will also be saved. Version 1.2, binary only. Author: Todd Neumiller FF484

**SpriteClock** A very simple clock that uses a sprite as it's display medium, thus allowing it to be displayed on top of all other screens. Includes source in assembly language. Author: Darrel Schneider FF43

**SpriteEd** Lets you simultaneously edit two sprite pairs to form a double wide sprite image. Suggested \$10 donation. Author: Scott Lamb FF40

**SpriteMaker** Program which lets you paint sprites and then converts data structure to be used in programs. Allows interactive testing of the sprite as a pointer. Suggested shareware donation of \$15 for source code and updates. Author: Ray Larson FF35

**SpriteMasterII** Sprite editor and animator by Brad Kiefer. Executable program and documentation. AM20

**Sproing** Same as Oing but includes sounds of balls colliding with boundaries. Author: Leo Schwab FF33

**SPUDclock** A simple program that uses the narrator device to speak the time at certain user specified intervals. Lots of command line options. Version 1.2, includes source. Authors: Robert E. Beatty and H. Bret Young FF165

**Spy** A program that tracks calls to AmigaDOS and Exec functions, reporting them to the screen, along with their calling parameters and the results. Version 1.0, includes source. Author: Federico Giannici FF369

**Sq,Usq** Portable versions of the CPM sq and usq utilities. Author: R.Greenlaw, many changes by Bill Swan FF51, FF10, AM2

**SRegExp** A runtime library of routines for doing

wildcard pattern matching and wildcard path matching. It accepts a slight extension of the AmigaDOS wildcard syntax, including a "not" operator and character sets. This is version 11.1, includes source. Author: Jon Spencer FF527

**ST2Amiga** A program to convert Atari ST format relocatable executables to Amiga format relocatable executables, for subsequent loading into the ReSource disassembler and conversion to Amiga. ST2Amiga should also compile and run on an ST. Version 1.1, includes C source. Author: David Campbell FF448

**Stack** is a replacement for the BCPL stack program. Includes some source. Author: Glen McDiarmid and Kirk Davies FF105

**StackWatch** Monitors the stack of any selected task or process 30 times per second and reports the allocated stack, maximum stack used, and current stack used. Version 1.0, binary only. Author: Jim Locker FF494

**Stairs** This AmigaBASIC program demonstrates a musical illusion based upon perceptual circularity of widely spaced tones whose volumes are defined as a sinusoidal relationship to their frequency. Author: Gary Cuba FF121

**Star Destroyer** A hi-res picture of the Empire's Star Wars starship. AM12

**Star Wars** IFF picture of the enemy walkers from the ice planet AM15

**star10** Assembler program, makes star fields like Star Trek intro. In C source code and executable. Documentation included. AM12

**StarBlanker** A screen blander that replaces your display with a randomly chosen animated starfield. Version 1.00, includes source in Modula-2. Author: Chris Bailey FF308

**StarChart** Nicely done intuition based program to display and identify about 600 stars, galaxies and nebulae visible in the Northern hemisphere. Version 1.2, includes source. Author: Ray R. Larson FF159

**Starflight** An IFF picture. AM6

**StarProbe** Program studies stellar evolution. C source included for Amiga and MS-DOS. In C source code, executable, and documentation. AM18

**Stars** Hobbie's entry for the Badge Killer Demo Contest. Based on original code by Leo Schwab, has credits longer than the actual demo. Runs on 512K Amiga. Binary only. Author: Hobbie Orris FF118, FF33

**StarTerm** Starterterm version 3.0. Very nice telecommunications program ASCII and XMODEM support, telephone dialer, function keys, load file stripping, text file conversion, full/half duplex. Author: Jim Nangano Author's suggested shareware donation: \$20 FF30, FF12, AM8

**StartUps** Three replacements for the standard C startup files, Astartup.obj and LStartup.obj. The options include: (1) BothStartup.obj, for WorkBench programs or CLI programs with or without command line parameters, (2) WBSStartup.obj, for WorkBench programs or CLI programs that require no command line parameters, and (3) CLISStartup.obj, for CLI programs that require command line parameters but do not need to be able to be runnable from WorkBench. Includes source. Author: Bryce Nesbitt FF101

**StartupTip** Text file tips on setting up your startup-sequence file. AM9

**Stat** An enhanced version of AmigaDOS 'status' command. AM15

**Statpack** Demo version of a statistics and data manipulation program. Version 3.2, binary only. Author: James Lindsey FF386

**Stats** Program to calculate batting averages. AM15

**StatueOfLiberty** Evening view of the great lady's profile in an IFF picture. AM7

**StdFile** A module that can be linked with any Intuition based program to provide a standard file requestor similar to the one in AmigaDOS 2.0. Even if you use the standard requestor under 2.0, it is useful to have one available for use if you need to run on pre-2.0 systems. Includes source. Author: Jeff Lydiatt and Peter da Silva FF402

**Steal** A program that grabs parts out of a display. It is used to grab parts from Intuition's structures, such as gadgets, menus, and screens. Version 1.1, includes source. Author: Rick van Rein FF541

**StealMemBoot** A small utility designed to be a direct replacement for NoFastMem kind of programs. It modifies the boot block of a disk, so when you boot with it, all memory allocations will return only CHIP memory. Author: Alex Livshits FF150

**steel drum** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Steinschlag** A tetris like game (Steinschlag means 'Falling Rock') submitted by the author. This is version 1.8, Binary. By Peter Handel FF238, FF221

**STEmulator** Turns your Amiga into an Atari ST (sort of). Be sure to read the README file for the true story. By David Addison FF43

**StereoDemo** A demo of stereoscopic graphics, written in



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**assembly language.** Requires red/green stereo glasses to view. Includes sources. Author: David M. McKinstry FF206

**Stevie** A public domain clone of the UNIX 'vi' editor. Supports window-sizing, arrow keys, and the help key. This is V3.7a, an update to FF217. Changes include the addition of ARP wildcard expansion for file names, support for the 'cmd' feature of vi, other small enhancements, and some bug fixes. Includes source. Author: Various, Amiga work by G. R. (Fred) Walter FF256, FF217, FF197, FF166

**StillStore** A program designed for freelance, corporate, and broadcast television. It loads and displays IFF images of any resolution interchangeably from a list file or as inputted directly (I.E. random access). The user may easily skip forward or backward one or more pictures in the list. A 'generic' display is always just a few seconds away. The program can be used 'on air' with no concern that a pull down menu will suddenly appear in the viewable area. It also provides for a precise cue for changing windows or screens. While the main purpose is to load 'news windows' of 1/4 screen size, StillStore can also handle full-sized and overscanned images. Also includes slide show modes and a screen positioning feature. Stillstore is written in the Director language from the Right Answers Group. This is version 1.2.1, an update to version 1.2 on disk 317. Binary only, source available from authors. Author: R. J. (Dick) Bourne and Richard Murray FF454, FF317

**Stitchery** This shareware program loads in IFF images and creates charted patterns from them for use in counted cross-stitch and other forms of needlework. It requires one megabyte of memory to run, and works best with a good high-resolution printer for printing the patterns. The Stitchery was written with The Director and the Projector is included. Version 1.21. Author: Bradley W. Schenck FF350

**Stock-Portfolio:** A program to organize and track investments, music libraries, mailing lists, etc. in AmigaBASIC. Author: G. L. Penrose. AC11

**StockBroker** A program that helps you follow the recent table of exchange from one (or more) share(s). But of course you must tell the Amiga the recent table of exchange every day. Requires AmigaBASIC. Binary only. Author: Michael Hanelt FF343

**StopWatch** A stop watch application with the precision of one milli-second (variable), which scans the joystick button. Full multitasking capability and intuition interfacing, ARexx port for parameter and result handling, and supports all non-proportional WorkBench fonts. Written in Modula 2 and assembly language. Version 2.0, binary only. Author: Christian Danner FF466

**STReplay** A shared library which allows loading and playing of SoundTracker modules, even from high level languages like Basic or C, without any special effort. Includes source. Author: Oliver Wagner FF258

**String, Boolean** C programs and executables for Harriet Maybeck Tolly's Intuition tutorials. In C source code, executable program, and documentation. AM19

**StringLib** A public domain reimplement of the UNIX string library functions. Author: Henry Spencer @ U of Toronto FF29

**Strings** A simple utility with command-line options for locating strings in a binary file. V.1.0, includes source. By Joel Swank FF174

**stripc** Strips comments and extraneous whitespace from C source files. Useful for compacting the C header files to increase usable disk space. Author: Chris Metcalf FF6

**StripCR** This little program just makes a text file ready for use with AmigaDOS, with only LineFeed characters (LF) to mark the end of a line. If you feed it a file with ONLY Carriage Return characters (CR), (from a Macintosh for example) it will replace them with the LF character and, if the file requires no changes, then it does not get changed, includes source in assembly. by: Bill Nelson FF237

**striper** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**StripLF** Completes the set of StripCR and PlusCR. It will change an LF only file into a CR only file. If used in combination with StripCR and PlusCR, it completes a text file conversion system, includes source in assembly. Author: Bill Nelson FF237

**STV** Simple text viewer with mouse and keyboard scrolling, text search, and hooks to be launched onto custom screens. Works great under both Workbench v1.3 and v2.0 and from the CLI or icon. Version 1.00a, includes full C source. Author: Timm Martin. FF427

**Subscripts** Ivan Smith's AmigaBASIC subscript example. In C source code and documentation. AM19

**Sugar** A HAM picture of a blond girl FF72

**SugarPlum** Plays "The Dance of the Sugarplum Fairies".

**ABasic** C program. AM1

**SunMaze** The 3d maze demo from disk 171, now expanded with shadows in the corridors to give more sense of direction. Includes source. Author: Werner Gunther, Shadows by Dirk Reisig FF255

**SunMouse** Makes your mouse behave like the Sun Microsystems Sunwindows mouse. You no longer have to 'click' in a window to make it active. Just move the mouse pointer into the window and start typing. Version 1.0, binary only. By Scott Evernden FF65

**Super Bitmaps in BASIC:** Holding a graphics display larger than the monitor screen. Author: Jason Cahill AC9

**SuperBitMap** An example program that shows how to use ScrollLayer, how to sync the SuperBitMap prior to printing, and how to create a dummy rasterport for dumping the SuperBitMap. Works under 1.2 and up. Author: Carolyn Scheppner and Phil Lindsay FF28

**SuperDuper** A very fast disk copier and formatter. Can make up to four unverified copies from a ram buffer in 36 seconds. Verified copies from a ram buffer take 67 seconds for one destination drive, plus 34 seconds for each additional destination. Binary only. Author: Sebastiano Vigna FF488

**SuperEcho** A neat program to be used with Perfect Sound-like audio digitizers that generates LIVE audio effects, including Echos, Deep Voice, Squeaky Voice, Many People, M-M-Max Headroom and much more. Binary only. Author: Kevin Kelm FF300

**SuperLines** A new lines demo with a realtime control panel that you can use to change various aspects of the action. Has 10 built in color palettes, support for things like color 'smudge', color cycling, color 'bounce', multiple resolutions, and can display either lines or boxes. Version 1.0, binary. By Chris Bailey FF243

**SuperMenu** An information display system you can use to quickly and easily display text files (and sections of text files) with the press of a button. Version 2.0, shareware, binary only. Author: Paul Thomas Miller FF368, FF297

**Supermort** A general compounding/amortization routine, using the intuition environment, which can be used for mortgage/loan computations. Binary only. Author: Mark Schretlen FF59

**superpad** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**SuperPlay** A versatile sound playing utility, that will play any file, with user definable volume and speed. Will also play files randomly from a list. Binary only. Author: Jonathan Potter FF412

**SuperRetLab** Prints return address labels 3-up on single-wide 3.5 inch by 7/16" inch label stock. Can print up to 5 lines per label. Version 1.1, includes source. Author: Joel Swank FF304

**SuperView** A shareware file-viewer that displays all types of IFF files with many features like: Workbench support, all display modes, auto overscan, color cycle (CRNG, CCRT), AmigaBasic ACBM files, first cell in and ANIM file, Type 5 animations and more. Written in assembly, pure code for residency under 1.3. Version 3.0, binary only. Author: David Grothe FF367

**Suplib** The support library needed to rebuild various programs of Matt's from the source, including Dme, Dmouse, etc. Update to FF169. Source. By: Matt Dillon FF258, FF168 & 169, FF126

**suprshr** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Surf** Generates bezier surfaces of revolution. Will produce some amazing pictures of wineglasses, doorknobs, or other objects one could turn on a lathe. Includes the capacity to map IFF image files onto any surface that it can draw. This is version 2.0. Changes include support for data file formats that can be translated to input files for various 3D modeling programs, an increase in the number of grey shades available, and the capability of modifying the endpoints of segments. Source included. Author: Eric Davies FF315, FF170

**Surveyor** A little utility that opens a window on the current screen and displays information about the pointer. Allows for absolute or relative measurement between two points on the screen. Very handy for precise positioning of icons and such. Includes source. Author: Dirk Reisig FF151

**SVprintf** UNIX system V compatible printf(). Assembler AM2

**SVTools** Some additional useful tools from Stephen Vermeulen. Includes a new version of Vnews, sit, setstack, retool, memlist, fragit, and yoyo. Includes source. By Stephen Vermeulen FF107

**SwapName** A variant on the rename command that instead swaps the names of two files. Binary only. Author: Jonathan Potter FF412

**sweep.c** Sound synthesis example. C program. AM5

**sWindows** A program that allows you to use the title of a window to specify the screen on which the window will appear. This provides a method of opening CON: and RAW: windows on screens other than the WorkBench, for example. Includes source. Author: Davide Cervone FF500

**Swish** A small simple screen hack that pushes the screen around using the view port, and simulates a floating motion. Binary only, source available from author. Author: Patrick Evans FF448

**switch** A pachinko-like game written in AmigaBASIC. AM11

**Sword** Sword of Fallen Angel. Text adventure game written in AmigaBASIC. Author: Andry Rachmat FF32

**Synchronicity:** Right and left brain lateralization. Author: John Iovine AC10

**Synthmania** An interesting, very small (and very persistent!) musical piece. If you plan on stopping it without using three fingers, you better read the document file first! Binary only. Author: Holger Lubitz FF153

**Synthesizer** A sound program in AmigaBASIC. AM9

**SynthSong** A song created using the freely-distributable program MED V.3.00. Although quite small (63k) on disk, this one expands in memory once loaded, lasting almost 65 minutes. Player program Author: Alex Van Starrex FF521

**SYNWORKS** A graphics oriented environment for design, training and test of neural networks. The enclosed version is public domain and supports only three network models. Not all options are available but this version provides the most important features to allow users to decide if neural networks are an appropriate solution for their problems. Binary only. Author: Michael Kaiser FF510

**Sys** A game built on the additive game PONGO but with several added features. You have been assigned the demanding task of cleaning viruses from your SYSOP's hard disk. To kill a virus, you simply kick a disk at it. There are fifty different levels, and on each level, the speed will increase and the viruses will be smarter and start to hunt you. V2.10, binary only. By: Anders Bjerin FF336

**SysInfo** A program which reports interesting information about the configuration of your machine, including some speed comparisons with other configurations, versions of the OS software, etc. Version 2.22, an update to version 1.98 on disk 433. Binary only. Author: Nic Wilson FF502, FF433, FF420, FF368

**System config** File makes screen 80 columns wide of text in the Scribble! word processor. AM26

**SystemTracer** A tool to view and manipulate various AmigaDOS 1.2 and 1.3 system structures. Version 1.0, includes source. Author: Guido Burkard FF422

**T.Rex** A tyrannosaurus rex in an IFF picture. AM6

**T3E** Converts any text file to an executable. The resulting program will only have a minimum of bytes appended (94 bytes for hunk structure and display-program). The text file is not limited by the size. Freeware, with source in C. Author: Garry Glendown FF521

**Tab** A tablature writing program for the Amiga, with instruments for a banjo and a string guitar. Binary. By Jeff deRienzo FF145

**Tabu** Quarter inch cartridge (QIC) tape backup utility. Works with Microbotics HardFrame. May work with other controllers as well (untested). Includes source. Author: Roy C. Sigsbey FF450

**TACL** An adventure player for games written with The Adventure Construction Language, a commercial computer language. Includes two sample games; one is text-only and the other is text-graphic. Binary only, plus the TACL source code that was used to write the graphic adventure. Author: Kevin Kelm and Rhett Rodewald FF300

**TagBBS** Version 1.02 of a shareware BBS system. Suggested shareware donation is \$25. Binary only. By Patrick Hughes FF66

**talk** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Tank** This is Vincent's entry for the First Annual Badge Killer Demo Contest. It is an animation of a 'fishtank simulator', with sound effects and a cute twist. Binary. By Vincent H. Lee FF200

**TAPDemo** Tumble Axis Processor is a Sculpt utility with several functions, including automatically aligning a path's tumble axes so that an object following that path will always face the direction of travel, and production of an easy to read data list containing the location of each node and the orientation of each of its tumble axes. This is a fully functional version except that it will not function on paths with more than 15 nodes. Binary only. Author: Martin Koistinen FF524

**TapeCover** TapeCover prints out those little paper

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inserts for cassette tape cases. It lets you enter the name of the songs, and the title of each side. It should work on any printer that can print in that semi-condensed mode. Version 1.0, includes source in C. Author: Greg Pringle FF498

**Tar** A port of a UNIX tar clone that can work with the TAPE: handler (also on this disk) to read and write UNIX tar compatible tapes. Includes source. Author: John Gilmore, FSF, Jonathan Hue, et. al. FF445

**Target** A little program which takes over the mouse pointer and turns it into a gunshot. Pressing the mouse button flashes the pointer and gives a gunshot. Version 1.23, binary only Author: Matt Fruin and Michael McCarty FF81, AM21

**Tarot** An AmigaBASIC program written by the author as an exercise for learning BASIC. Contains some nice graphic renditions of tarot cards. Author: L.Pfost FF124

**TarSplit** A port of the OS/9 program that extracts files from UNIX tar archives by James Jones. Amiga version by Mike Meyer. FF53

**Tartan** AmigaBASIC; design Tartan plaids. AM26

**Task** Simple example of how to use CreateTask. Includes source. Author: Carolyn Scheppner FF79

**TaskControl** Nicely done task-handling program allowing you to put to sleep, kill or change priorities of all the currently loaded tasks. Also potentially GURU-producing, so be careful what tasks you kill, change priorities of, etc. Handy window sizer will reduce it almost to an icon to hang around until you want to use it. Binary only. Author: J. Martin Hippele FF159

**TaskX** A 'real-time' task editor. Lets you list and set the priorities of all the currently running tasks. Binary only, Version 2.0. Author: Steve Tibbett FF158

**TCB** Prints information about tasks and processes in the system; assembler source is included. AM26

**TCL** Port of Tool Command Language, a simple textual language intended primarily for issuing commands to interactive programs such as text editors, debuggers, illustrators, shells, etc. It has a simple syntax and is programmable so TCL users can write command procedures to provide more powerful commands than those in the built in set. Alpha 2 version, binary only. Author: Dr. John Ousterhout, Amiga port by HackerCorp FF447

**TD** A program like 'TrackDisplay' on disk 399 by Olaf Barthel. It monitors and displays the current track for each floppy disk connected to the Amiga. This is version 2.0, an update to version 1.0 on disk 483. Includes source in assembler. Author: Preben Nielsen FF543, FF483

**TDebug** Monitor a device by intercepting the EXEC SendIO and DoIO vectors. This will give you most of the IO request information for any device. Version 1.00, includes source. Author: Matt Dillon FF74

**TDP** A small trackdisplay program that uses whatever screen is up front. Binary only. Author: Tom Kroener FF479

**TDRAW** An easy to use Window Title Bar Pattern Editor for use with TBar. Load, save, test, and edit patterns. Saves script files that can be executed later to change window patterns at anytime (like on boot-up). Includes TRand, a utility to pick a random TBar file so your WorkBench will look different each time you reboot. Version 1.0, binary only. Author: Phil Dietz FF461

**Teacher** Teacher is a short, simple hack. I won't spoil the fun by telling you what it does. With source. By Jonathan Potter FF204

**Tek** An enhanced version of Dave Wecker's vt100 (v2.6) which includes emulation for a Tektronix 4010/4014 graphics terminal. This is a much improved version of the Tek4010 program from FF52. Includes source. Enhancements by Nick Giordano and Terry Whelan FF108

**Tek4010** A Tek4010 emulator. Author: Terry Whelan, with changes by Steve Poling FF52

**Tek4695** A Tek4695 printer driver. Binary only. Author: Philip Staub FF87

**Tek4695** A Tektronix 4695/4696 printer driver. Includes source Author: Philip Staub FF96

**TenSpeed** A ten-speed in an IFF picture. AM6

**Term** A giftware telecommunications program written for AmigaOS release 2.x (Kickstart 37.74 and Workbench 37.33 or higher required, Kickstart 37.175 and Workbench 37.52 recommended). Features include total configurability, full AReXX control, Xpr-transfer-support, filetype-identification after download, cut & paste/point-and-click on screen, auto up- and download, scrollable review buffer of unlimited size, solid and fully-featured VT100/VT220/ANSI emulation, optional fast atomic terminal emulation, hotkey support, powerful phonebook and dialing functions, ability to save and print the contents of the screen as IFF-ILBM or ASCII file, full overscan and screen resolution support (new ECS screen modes included), asynchronous operation and a lot more. Comes with six Xpr-transfer libraries (ascii, jmodem,

kermi, quickb, xmodem & zmodem) and documentation both in German and in English. This is version 1.8a and also includes the full 'C' and assembly language source code. Author: Olaf 'Olsen' Barthel FF534

**termcap** A (mostly) UNIX compatible implementation of a termcap library. First ever public release. Author: Fred Fish FF14

**terminal** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Terminator** A virus protection program. By Russell Wallace AC5

**termLite** A tiny, almost brain dead telecommunications program written for AmigaOS release 2.x. Can be made resident, supports cut & paste from console window, written as a simple interface to the serial/parallel device driver. Version 1.0, includes source in 'C'. AmigaOS 2.x required. Author: Olaf 'Olsen' Barthel FF535

**TermPlus** Yet another variant of Michael Mournier's AmigaTerm program. This one includes improved ASCII capture, CRC and checksum xmodem protocol transfers, CompuServe B-protocol transfers, a phone library, function key support, and limited AmigaDOS functions. Enhancements by Bob Rakosky FF33

**termtest** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Terrain 3D** Program which demonstrates generation of good looking pseudo-random scenery. This version is a derivative of 'sc' distributed on disk 87, but now displays terrain in 3D relief. Includes source. By Chris Gray; 3D version by Howard Hull FF94

**Terrain** Program which demonstrates generation of good looking pseudo-random scenery. Includes source in Draco. Author: Chris Gray FF61

**TES** 'The Electronic Slave' adds a gadget strip to the top of the cli window to perform such functions as device directories, info, run ED, and time. Currently, assignments are hardcoded but not difficult to change if you own a compiler. Version 1.1, includes source. Author: Joerg Anslirk FF162

**Tetrix** A addictive game of speed, skill and luck. Based on a game originally called Tetris. The object is to fit together oddly grouped falling blocks to create a solid wall, which is then cleared from the bottom up. Sounds simple enough right? Sure...! Shareware, Version 1.1, Binary only. Author: David Corbin FF173

**TeXDDemo** A demo version of TeX, ported to the Amiga by Tomas Rokicki. I have added 'less' to read the text files. I have copied all the files to a freshly formatted disk, to create the master distribution disk, using xcop, which preserves the file dates. This insures that disk fragmentation is kept to a minimum. In order to make room for the files I have added, I have compressed the file TeX/inputs/amigatex.tex using a version of compress (compress.b13) that should run on any standard 512K amiga. This version of compress is found in c/compress.b13. To recover the original file, execute the commands: cd AmigaLibDisk83:TeX/inputs :c/compress.b13 <amigatex.tex.z>ram:amigatex.tex -d. Since this is a demo version of Tom's commercial product, it has several limitations that let you get the flavor of the real thing but encourage you to buy the commercial version. These limitations include TeX being limited to processing only small files, the previewer being limited to displaying ten pages or less, and only a small number of fonts being provided. The full version of AmigaTeX comes on eight floppies and will handle larger documents than most mainframe versions of TeX. See the tex/README file for further info.-Fred FF83

**TeXF** A selection of 78 TeX fonts, with a conversion program to convert them to Amiga fonts. There are 22 different fonts at various sizes, ranging from 15 pixels high to more than 150 pixels. The conversion program can also be used with the fonts distributed with AmigaTeX, yielding an additional 1000 or so more fonts for use with other Amiga programs. Version 2.5, binary only. Author: Ali Ozer FF135

**TeXify** A package of AReXX scripts, for CygnusEd users, which allows total control of AmigaTeX from within CED. This is version 1.10e, binary only. Author: Wolf Faust FF458

**text.demo** Sample program that asks AvailFonts() to make a list of the fonts that are available, then opens a window and then prints a description of the various attributes that can be applied to the fonts, in the font itself. Previous versions were released as 'whichfont'. Author: Rob Peck FF5

**TextDisplay** A text display program, like 'more' or 'less', but about half the size and handles all screen formats (pal/ntsc, interlace/non-interlace, etc). Binary only. Author: Roger Fischlin FF244, FF188

**TextPaint** Version 0.97 of the Ansi editor. Several significant enhancements and bug fixes since the release of version 0.90 on FF346. Features include possibility to reload ansi files or CLI modules, 4 color option, optimized keyboard layout, new drawing modes, right mouse button support (like DeluxePaint) and much more. Binary only. Author: Oliver Wagner FF361, FF346

**TextPlus** A word processor for the Amiga, with both German and English versions. This is version 3.0, an update to version 2.2E on disk 465. New features include the ability to print footnotes and serial letters, multiple windows, an AReXX-interface with 120 commands, powerful block-operations, ANSI-compatibility, ability to load files crunched by PowerPacker, etc. Shareware, binary only. Author: Martin Steppeler FF484, FF465, FF375, FF359

**Textra** This easy-to-use text editor allows multiple windows, and provides a simple mouse driven interface. Those familiar with the 'Macintosh style' editors will be comfortable with Textra's Cut, Copy and Paste commands. Standalone image. Documentation included. No source code. Author: Mike Haa FF239

**Texts** An article on long-persistence phosphor monitors, tips on making brushes of odd shapes in Deluxe Paint, and recommendations on icon interfaces from Commodore-Amiga. AM14

**TG** No system without a graphical user interface is complete without an "Eyes" program. Includes source. Author: Thomas Geib FF548

**Thai** A simple Thai quiz program developed by the author while he was learning the Thai language. It loads complete Thai sentences and words from a supplied file. If you click on the sentence or word gadget the program will pick a random sentence/word. You then click on the Thai/Speak/Phonetic/ English gadget to display that version (or speak it). Includes source. Author: Alan Kent. FF98

**The KickPlay Dir** Several texts that describe several patches to the Kickstart disk. For Amiga 1000 hackers who feel comfortable patching a disk in hexadecimal, KickPlay offers the chance to automatically do an ADDMEM for old expansion memory, as well as the ability to change the picture of the "Insert Workbench". AM25

**TheA64Package** A comprehensive emulator/utility package to assist Commodore 64 users in upgrading to the Amiga. According to the author, this package compares to or surpasses the commercially available packages of the same nature. Many of the utilities require a hardware interface that allow the Amiga to access C64 peripherals such as disk drives and printers. The hardware interface is free with a shareware donation to the author. Version 1.00, binary only. Author: Cliff Dugan, QuesTronix FF379

**TheDatingGame** A very well done animation by Eric Schwartz. This is Eric's biggest animation project to date. The animation lasts nearly 4 minutes and requires 3 MB of RAM to run. Flip the Frog has all kinds of trouble getting to the house of his girlfriend, Clarisse Cat. This cartoon animation follows the style of the short theatrical cartoons of earlier days. The animation unpacks to two floppies. Shareware. Author: Eric Schwartz FF505

**TheGuru** A program every Amiga fan should have. Puts the guru back in Kickstart 2.0. A comeback you will not want to miss. New features include support for virtual and public screens, editing of phonemes and a full gadtools interface. Version 2.0, an update to version 1.0 on disk 378. Requires AmigaDOS 2.0. Binary only. Author: Nico Francois FF542, FF378

**Thinkamania** Playable demo version of a game like the legendary memory game. Includes superb hires graphics and sound effects. Version 2.1, binary only. Author: Th.Schwoeppel/D.Respondek of Z.U.L.U. Softworx FF541

**ThreeDee** 3D function plots. A Basic program. AM1

**TicTacToe** A simple TicTacToe game. Binary only.

Author: Jonathan Potter FF412

**tictactoe** The classic game written in AmigaBASIC. AM11

**Tiles** A basic tile game like Shanghai or GunShy. A board is covered with a set of 144 tiles, 36 different sets of 4 identical tiles, each with a picture on it. The object is to remove all the tiles, 2 at a time, by matching identical tiles. Version 2.1, includes source in Modula II. Author: Todd Lewis FF241

**Tilt** Another of Leo's cute little toys. This one makes your Amiga look like it didn't pass Commodore's vibration testing. Author: Leo Schwab FF54

**Time Out!** Accessing the Amiga's system timer device via Modula-2. Author: Mark Cashman AC11

**timedely.c** sMple timer demo. C program. AM4

**Timer** Creates a small window containing a timer. Version 1.5, binary only. Author: Bill Beogelein FF90

**Timer** The timer device made easy! Example of how to create both synchronous and asynchronous waits. Includes a sample C program, a detailed technical discussion, and modules that you can plug in to your

# Freely Redistributable Software

**C programs.** Author: Timm Martin FF429

**timer** Simple timer example program. Includes dynamic allocation of data structures needed to communicate with the timer device, as well as the actual device IO. Author: Rob Peck FF5

**timer.bmap** One of the necessary links between AmigaBASIC and the system libraries. AM8

**timer.c** Exec support timer functions. C program. AM4

**TimeRAM** A program to test the access speeds of Fast and Chip RAM. Binary only. Author: Bruce Takahashi FF96

**TimeSet** Handy little utility to set the system time from the workbench environment, without resorting to preferences. Binary only. Author: Unknown (DEH?) FF71, AM9

**Timetest** Working example to show the time() and gmtime() functions of the Lattice C support library. Includes source in C. Author: Oliver Wagner FF346

**timrstuf.c** More exec support timer functions. C program. AM4

**TinyProlog** VT-PROLOG is a simple prolog interpreter provided with full source code to encourage experimentation with the PROLOG language and implementations. Version 1.1, includes source. Author: Bill and Bev Thompson FF145

**TitleGen** A simple script language program for generating vertically crawling title sequences in any font and up to 500 lines long. Good for video production. Version 1.6, binary only. Author: Kevin Kelm FF300

**TitlePage** Prints banner-type title pages for identifying listings. Lots of command-line options for specifying various fonts, pitches, typesizes, selectable centering, etc. Includes source. Author: Joel Swank FF174

**Tlog** An intuition based program that records statistics to monitor athletic training progress. Maintains a daily record of distance, time, heart rate, weight and temperature. Links a text file with the record for a free form diary. The AREXX commands provide the basis for generating custom reports from the data base. Sample script allows Tlog to automatically get to a scheduler to post reminders of upcoming events. Version 1.0, shareware binary only. Author: Ed Bacon FF514

**TLPatch** A utility to allow corrections in pronunciation for programs that use the Translate() function. It allows you to extract the exception table from the translator library, use a text editor to edit the table, and then restore it back into the library. Version 1.0, includes source. Author: Richard Sheppard FF481

**TMonth** TMonth will execute any program the first time it's executed each month. Very useful, for example, to execute the ATOM-CLOCK program to set your clock each month. Version 1.0f, binary only. Author: George Kerber FF432

**Today** Amiga implementation of IBM PL/1 history program. Tells you important events and birthdays on current or specified day. Command line options include once-per-day setting for startup sequences. Version 0.91, binary only, shareware. Author: David Plummer, data files originally from an IBM VM/CMS version by Mike Butler FF368

**tom** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**ToolLib** A shared library containing 45 useful functions for all kinds of programs. There are functions for ports, sorting, gadgets, memory, string, directory and file handling, etc. Version 8.1, an update to version 7.6 on disk 438, includes source. Author: Jan van den Baard FF475, FF438

**ToolLibrary** A shared library for the Amiga. Contains some mathematical (evaluation of strings) and intuition (menus, requester) functions. Version 2.06, includes source. Author: Rudiger Dreier. FF376

**ToolManager** ToolManager is a full featured program to add programs (either WorkBench or CLI) to the tools menu of the 2.x WorkBench. Programs can be added by dragging their icons onto the ToolManager "config" window or the optional ToolManager icon or by editing the config file. Requires Workbench 2.0. This is version 1.4, an update to version 1.3 on disk 476. Includes source. Author: Stefan Becker FF527, FF476, FF442

**TooMuch3D** This animation is Jim's entry to the 1989 BADGE Killer Demo Contest, where it won 10th place. It is a warning to those of you who spend too much time in front of your computer monitors. Binary only. Author: Jim Robinson FF270

**topography** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Touch** A simple command to set the date of a file to the current date. Uses new supported method of setting a file date stamp (rather than reading and writing back a byte) Author: Phil Lindsay and Andy Finkel FF49

**TownMaze** A program that designs a town-shaped maze like the town "Bard's Tale I" uses. Version 1.2, includes source. Author: Kent Paul Dolan FF529

**toybox** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**TplEdit** A gadtools template editor. It is able to generate nearly standalone C source code. The program will only run under OS 2.0, Kickstart 37.73 or higher. This is version 1.00 Alpha. Includes source. Author: Matt Dillon FF480

**trackdisk** Demonstrates use of trackdisk driver. Useful example of 'raw' disk read/write. Author Rob Peck FF5, FF1

**TrackDisplay** A simple program that continuously monitors and displays the current track for each floppy disk. Includes source. Author: Olaf Barthel FF399

**TrackDOS** A program that allows easy transfer of data between DOS, memory and trackdisk.device. DOS means the data contained within a file, memory means the data contained anywhere within the memory map and trackdisk.device means data stored on a disk not accessible with DOS (eg. bootblocks special loader disks etc.). The transfer of data between these three areas is not normally easy or convenient. TrackDos was written to overcome this. This is version 1.08, an update to 1.04 on Fish disk 365. Binary only. Author: Nic Wilson FF502, FF422, FF365

**Tracker** Useful debugging routines similar in function but more versatile to those of 'AllocTrace' or FF163. Will track and report on calls to MemMem(), FreeMem() [or lack thereof!] among others. V0.0a (Alpha release). By Karl Lehenbauer FF181, FF35

**TrackSalve** A Trackdisk patch which removes all known bugs, and one unknown so far, and patches the Trackdisk task to allow various enhancements, such as reading good sectors from partially bad tracks, write verification, write protect simulation, auto motor off, auto update and turning off clicking. Other features are MFM-update and I/O by non-chip buffers. This is version 1.3, an update of version 1.0 on FF312. Includes source in C and assembler. Author: Dirk Reisig FF355, FF312

**TrackUtils** Two utilities that deal with disk tracks. TCopy copies one or more tracks from one disk to another, and is useful for copying part of a floppy disk into RAD: during bootup. TFile creates a dummy file which 'marks' a specified range of tracks, preventing AmigaDOS from using them and allowing them to be used for raw trackdisk data. Includes C source. Author: Eddy Carroll FF350

**Trails** Cute little program that leaves a trail behind the pointer when the mouse is moved. The trail has programmable symmetry, thickness, and length. The other interesting thing about this program is that it is written in Modula-2 (source provided). Author: Richie Bielak FF32

**Train** An electric train construction set game simulation. Shareware, binary only, source available from author. Author: Dennis Saunders FF428

**TrainerMaker** A program that allows you to modify money, number of lives, or high scores of some games. The game to be modified must be capable of multitasking. Version 0.8, binary only. Author: Andreas Ackermann FF532

**translator.bmap** one of the necessary links between AmigaBASIC and the system libraries. AM8

**Tree** A very simple directory tree traversal program, written primarily as an aid to creating zoo archives and disk backups. Has options to exclude certain directories or files with specific extensions. Includes source. Author: Tomas Rokicki FF306

**Tree** Draws a recursive tree (green leafy type, not files). Author: Robert French (original version by W. Balthrop) FF31

**Tree Traversal & Tree Search:** Two common methods for traversing trees. Author: Forest W. Arnold AC10

**Trees and Recursion:** An introduction to binary trees and how to use recursion. Written in C. Author: Forest Arnold. AC7

**Trees** Another 'tree growing' program, similar to the one on FF31, but more extensive. Author: Unknown; Amiga version by Terry Gintz FF49

**trees.o** UNIX compatible tree() function, Assembler program. Object file and documentation provided. AM2

**TreeWalk** A subroutine command for visiting all the files of a subtree of an Amiga file system, testing every file in the specified subtree against a supplied 'filter' expression, and if the file passes through the filter, to issue the specified command with that file as one of the arguments. It is designed to be fast, robust, and not use a lot of any critical resource. Includes both a CLI interface to that routine the form of a find-like utility that uses C expressions instead of Unix-like flags, and a program to tell you if directory trees will fit on a given disk, or how

many extra blocks you'll need if they won't. Includes source. Update to version on FF289. Author: Mike Meyer FF352, FF289

**Trek** An excellent shareware Star Trek game. The object of the game is to stay alive, healthy, and maintain the Enterprise in good condition. As Captain of the ship, you must go on missions where you show your common sense and level headedness. An overly cautious Captain will lose his ship as well as a careless or irrational Captain. This distribution unpacks into two almost full disks. Version 1.0, binary only. Author: Tobias Richter FF409

**trek73** A Star Trek game. This one is just crying out to be Amigaized by some ambitious hacker. Authors: Many, see comment in main.c FF10

**TrekTrivia** Very nice mouse-driven trivia type program for Star Trek fans. Contains 100 questions with additional trivia disks available from the author. Includes selectable skill levels, a cheat mode, and 250K of digitized music. This is version 3.0, an update to version 2.0 on disk 252. Binary only, shareware. Author: George Broussard FF422, FF252, FF180

**Triangle** A game like chinese checkers, consisting of fourteen pegs and one empty hole in a triangular formation. The object of the game is to leave one peg in the original empty hole or have eight pegs on the board and no possible moves. Version 1.1, includes source in BASIC. Author: Russell Mason FF469

**triangle** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Tricky** Another of Peter's innovative and additive games. Sort of a video-bowling concept where the object is to wipe out groups of computerized symbols in such a fashion that the last item hit becomes the target for the next ball (with a few tricks of course). Lots of levels and the usual level editor that accompanies most of Peter's games. Binary only. Author: Peter Handel FF367

**TriClops** Very nice graphics oriented 3D space invasion game. This was previously a commercial product which is being released into the public domain for promotional purposes (they are working on a multiuser, multimachine version) Author: Mark Adams, published by Geodesic Publications FF35

**Triple 3** demos of some of the Amiga's graphics and sound capabilities. Binary only. by: Tomas Rokicki FF206

**TripleYachtZ** An implementation and variation of the game 'Yacht'. Plays both Single (the standard game) and Triple, which differs from normal Yacht-Z in that all scores in the 3rd column of your scorecard are worth three times as much as the normal value and those in the 2nd are worth double. Version 1.2, binary only, source available from author. Author: Stephan Iannce FF470

**Trippin'** A Workbench game based on an out-of-print board game. The object is a race in which each move you make restricts your opponent's choice of countermoves. Features a computer opponent of adjustable toughness. Includes source. Author: Paul Kienitz. FF429

**Tron** Another game about the lightcycle race sequence in the science fiction computer film Tron. One or two players and other options. Written in GFA-BASIC and then compiled. This is version 1.23, an update to version 1.1 on disk 355. Now includes source in GFA-BASIC. Author: Dirk Hasse FF411, FF355

**Tron** Another game based on the lightcycle race sequence in the science fiction computer film 'Tron'. This is version 1.0, unrelated to other Tron releases in the library. Includes source in assembly. Author: Thomas Jansen FF461

**Tsize** A simple utility to print directory tree sizes. Displays the total size of all files and subdirectories within a given directory Author: Edmund Burnette FF35

**TSnip** Very nice 'cut and paste' type utility with lots of uses and functions. Features a pop-up intuition control panel, multiple font and color recognition, clipboard and pipe support and a couple of utility programs. V1.4a, source for support programs only. By John Russell FF179

**TTDDD** Textual TDDD is an ASCII version of Turbo Silver's TDDD object and cell description files. The TTDDD format enables users to algorithmically generate objects, scenes, and animations. Includes programs to convert between TDDD and TTDDD formats. Version 1.0, shareware, binary only. Author: Glenn M. Lewis FF420

**TUC** 'The Ultimate Clock'. Another window title clock/memory minder. This one is in 132 columns! Also gives the free memory on drives DF0, DF1 & DF2. Includes source. Author: Joerg Ansliek FF159

**Tumblin' Tots:** A complete game written in Assembly language. Save the falling babies in this game. Author: David Ashley AC1

**Tunnel** An interesting graphics demo written in TDI-Modula 2. I suggest you don't stare at this too long!

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Includes source. Author: Garth Thornton FF174

**TunnelVision** Another fine ABasic game from: David Addison. This is a maze game with a 3-D perspective view from inside the maze. Author: David Addison FF36

**Turbo** Opens a small window with a gadget that when selected, turns off bitplane, sprite, copper and audio DMA, presumably to increase system speed. Includes source. By Oliver Wagner FF170

**TurboBackup** A fast mass floppy disk duplicator with enforced verify mode to prevent generation of incorrect copies. Version 1.00, binary only. Author: Steffen Stempel and Martin Kopp FF139

**TurboGIF** Demo version of a very fast GIF viewer, that is three to fifteen times faster than similar programs. Currently TurboGIF produces very high resolution black and white images only. Makes an excellent "GIF previewer" to decide if a particular GIF is worth spending the time converting with one of the other converters. Shareware, version 1.0, binary only. Author: Steve Borden FF544

**TurboMandel** A fast mandelbrot program, written in a mix of C and assembly language. You can select between using floating point or integer calculation. Other features include a full intuition interface, cycling capabilities, extensive color control, a user definable iteration depth, fully implemented zoom, a 3-D display mode, support for extra halfbrite as well as interlace and hires, IFF load and save, accuracy selections, and more. Version 1.0, includes source in assembly and C. Author: Marivoet Philip FF302

**TurboText** An almost fully operational demonstration copy of a new sophisticated text editor for the Amiga. Features many unique capabilities including an impressive ARexx interface with over 140 commands available, full outlining abilities, clipboard support, complete reconfigurability, recorded macros, programmer's calculator, emulations of many popular text editors, and much more. This demo version does not allow saving or printing of documents and limits the size of cut and paste operations. Version 1.0, binary only. Author: Martin Taillefer FF445

**TurboTitle** A program created for the purpose of subtitling Japanese animation films and to create a standard Amiga subtitle format. Is perfectly suited for subtitling any foreign film. Version 0.80, an update to version 0.71 on disk 424. Shareware, binary only. Author: Robert Jenks FF530, FF424

**TurboTopaz** Two Text speed up programs like FastFonts. Allows replacement of the Topaz-80 font from both CLI and WorkBench. Includes a program to measure to speed of Text speed up programs. Version 1.0, includes source in assembler. Author: Preben Nielsen FF396

**TurMite** A two dimensional turing machine simulator. Imagine a small bug crawling around on your computer display moving one pixel at a time. At each step it uses its internal state number and the color of the pixel it's on as indexes into a set of tables to decide what color to change the pixel to, what direction to move, and what its new internal state should be. Includes source. Author: Gary Teachout FF249

**Turn** An interesting board game with the simplicity of checkers yet requiring the move-lookahead of a good chess player. Binary only. Author: Peter Handel FF361

**Turtle** A shared library of "turtle" functions for drawing in a RastPort. Includes source in assembly and C. Author: Thomas Albers FF321

**TvText** Demo version of the TVText character generator. AM18

**TX** Todor Fay's SoundScape module source code from his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**TxEd** Latest demo version of MicroSmiths' text editor, TxEd. This is the full production version except that files are limited to 10K bytes in length and the search/replace functions are disabled. Also, demo is based on an older version of TxEd, new release has additional features. Author: Charlie Heath FF31, FF20, AM12

**Txt** filters text files from other systems to be read by the Amiga E.C. AM17

**Txt2Exe** This program takes a text file, creating a runnable command which will output the text. Allows various operations to be done on the text. Binary only. Author: Oliver Wagner FF286

**Ty** A text display program based on Amiga 'less' version 1.0. Has both keyboard and mouse control of all functions, an intuition interface, and uses the Amiga specific keys (such as the Help key) correctly. Version 1.3, includes source. Author: Mark Nudelman, Bob Leivian, Tony Willis FF246

**TypeAndTell** Example program that demonstrates installation of an input device handler before the Intuition one. This example traps all keys typed by the user and pronounces them in real time. Includes source. Author: Giorgio Galeotti FF73

**Typing Tutor:** A program written in AmigaBASIC that will

help you improve your typing. Author: Mike Morrison AC6

**TypingTutor** A simple typing tutor program which measures your typing speed and adjusts the level of difficulty accordingly. Shareware, binary only.

Author: William Jordan FF434

**Udate** Udate is a replacement for the AmigaDOS date command, containing many options similar to the UNIX date command. Udate will allow you to set the date and time via prompts or directly from the command line, will display any part of the date or time using the options in any color desired, and will also make an automatic adjustment of your system clock for Daylight Savings Time so your computer will be one less clock you will ever have to set twice a year for DST. Update to version on FF311, this version is slightly smaller and works correctly with the 68030. Version 1.14c, binary only. Author: George Kerber FF365, FF311

**Uedit** A nice shareware editor with learn mode, a command language, menu customization, hypertext, online help, a teach mode, split windows, copy and paste, undo, features. This is version 2.6h, an update to version 2.6e on disk 471. Binary only. Author: Rick Stiles FF539, FF471, FF415, FF286, FF254, FF189, FF173, FF121, FF60

**Uedit-Stuff** A variety of configuration material for Uedit. Includes stuff for remembering multiple chunks of deleted text, interfacing through Rexx with a terminal program, displaying matching (" characters when you press "), expanding abbreviations into phrases as you type, easily shifting lines and blocks of text left or right, improvements to several existing Uedit features, and more. Author: Paul Kienitz FF429

**UeditUpdate** This is a partial update to the 2.5d version of Uedit on disk 286. It includes only the UES executable, which has had patches d1 through d4 applied. Disk 286 is still needed for a complete Uedit shareware distribution. Binary only. Author: Rick Stiles FF301

**Ueturbu** Example of extensive customization of Uedit to set up a nice development environment. Includes source. Author: Tom Althoff FF60

**Ultra Sonic Ranging System:** BASIC Sonar Ranging program. Author: John Iovine AC13

**UltraF4** Demo version of a super graphic based floppy format program that can format four floppy disks at the same time and even format disks that other programs give up on. Binary only. Author: Terry Bullard and Signa Bullard FF444

**undelete** Executable program undeletes a file. Documentation included. AM12

**UnHunk** Tool to process the Amiga 'hunk' loadfile format. Collects code, data, and bss hunks together, allows individual specification of code, data, and bss origins, and generates binary file with format reminiscent of UNIX 'a.out' format. The output file can be easily processed by a separate program to produce Motorola 'S-records' suitable for downloading to PROM programmer. Author: Eric Black FF26

**UnIfdef** Useful program for removing ifdef'ed sections from a file while otherwise leaving the file alone. Allows one source to be used as a porting base for many machines, without shipping the entire source to every source customer. (Pre-process for their machine and send them only the source for their specific machine). Author: DaveYost FF35

**Uniq** A text processor which compacts repeated adjacent lines. Intended to be used with a sorted file to print unique lines, or repeated lines. Behaviour and options like UNIX version. Version 1.1, includes source. Author: John Woods, Amiga port by Gary Duncan FF317

**Units** Units conversion program, including a chart option which allows you to create charts of conversions. Nifty. Includes source. Author: Gregory Simpson FF74

**UNIXArc** A version of arc suitable for UNIX System V. Author: System Enhancement Associates FF50

**UnixDir** A program which intercepts calls to dos.library to add the UNIX style "." and ".." syntax for current and parent directories, respectively, to file and path names. I.E., you can refer to files in the current directory as './foo' and files in the parent directory as '../foo', or any combination of the two. Includes source in assembly. Author: Murray Bennett and Mark Cyster FF321

**UnixUtil** A few CLI utilities, including some functionally similar to the UNIX utilities of the same names. Included are: Wc, Head, Tail, Tee, Detab, Entab, and Trunc. Descriptions are given in the included '.doc' files. By Gary Brant FF179

**UnknownGirl** Another small musical piece similar in execution to 'Synthmania' on FF153. Binary only. By Holger Lubitz FF162

**Unshar** This program extracts files from Unix shar archives. It scores over similar programs by being small and fast, handling extraction of subdirectories, recognising a wide variety of 'sed' and 'cat' shar formats, and handling large files spread across several shar files. This is version 1.3. Includes C source. Author: Eddy Carroll FF345, FF287

**Up&Down** The object of this game is to get four of your chips in a row (across, down, or diagonally) without letting your opponent get his chips in a row first.

Binary only. Author: Jason Bauer FF462

**Update** Used to update an older working disk with files from a newly released disk. Files on the older disk that are out of date will be upgraded with files from the new disk. Author: Unknown, downloaded from Software Distillery FF45

**Uranus** An IFF picture. AM6

**Utilities** A group of four little utility programs, Cal, Undelete, DClock and WhereIs. Binary only, see the ReadMe file for a description of each. Author: Dan Schein FF154

**Utils** A group of small utility programs requiring ARP.

**Du** displays the disk space used by a directory, Head displays the first lines of a file and Cookie displays a humorous message. All executables are very small (less than one disk block each). Assembly source is included. Author: Stuart Mitchell FF416

**UUCP** An implementation of uucp for the Amiga, including mail and news. This is Matt's version for the Amiga, based on William Loftus's Amiga UUCP 0.40 release with news code from his 0.60 release, and months of work by Matt to make fixes and add enhancements. This is version 1.13D, an update to version 1.08D on disk 442, and consists of four parts. Parts 1 and 2 are on this disk, and parts 3 and 4 are on disk 480. Includes source. Author: Various, major enhancements by Matt Dillon FF479, FF445 & FF450, FF443 & FF442, F360, FF313, FF310, FF152

**UUCP** An implementation of uucp for the Amiga, including mail and news. This is Matt's version for the Amiga, based on William Loftus's Amiga UUCP 0.40 release with news code from his 0.60 release, and months of work by Matt to make fixes and add enhancements. This is version 1.13D, an update to version 1.08D on disk 442, and consists of four parts. Parts 1 and 2 are on disk 479, and parts 3 and 4 are on this disk. Includes source. Author: Various, major enhancements by Matt Dillon FF480, FF445 & FF450, FF443 & FF442, F360, FF313, FF310, FF152

**Uuencode** Programs to encode/decode binary files for transmittal via mail, or other text-only methods. Binary file is expanded by approximately 35% for transmittal. Author: Mark Horton FF38

**Uuencode** Programs to encode/decode binary files for transmittal via mail or other text-only methods. The binary file is expanded by approximately 35% for transmittal. This release is an update to the version on FF53, and includes a simple line-by-line checksum technique that can read and write files compatible with the older uuencode/uuencode, plus a file size test modification that is transparent to older uuencode. Author: Mark Horton with mods by Alan Rosenthal and Bryce Nesbitt FF92, FF53

**UUpc** Version 1.0 of a suite of programs that will allow you hook up your Amiga as a usenet node. Includes source. Author: Richard Lamb, Stuart Lynne, Jeff Lydiatt FF109

**Uw** UNIX Windows client for the Amiga. Version 1.00, includes source. Author: Michael McNerny FF79

**V** A front-end for Commodore's More or some other text viewer that can be made resident. Can be used from Workbench, greatly reducing disk loading time because V is much smaller than More, which need not be loaded if it is resident. From CLI, causes More to create a new window, specified with an environment variable, rather than using the CLI window. V is itself residentable. Much improved since the version on disk 224, to which it is only distantly related. Includes source in assembly. Author: Paul Kienitz FF429

**v1.1h.txt** Text, 'diff' of include file changes from version 1.0 to 1.1. AM5

**v1.1update** Text. list of new features in version 1.1. AM5

**v11fd.txt** 'diff' of .fd file changes from version 1.0 to 1.1. AM4

**v28v1.diff** 'diff' of include file changes from version 28 to 1.0. AM4

**VacBench** This amusing little screen hack will 'clean up' your WorkBench screen for you when it gets too cluttered. Binary only. By Randy Jovett FF184

**ValSpeak** A filter program which transforms its standard input to 'valspeak' on its standard output. Author: Unknown FF46

**Vampire** Woman Vampire in LoRes FF72

**VAUX-Killer** A very funny animation which won 2nd place in the 1989 BADGE Killer Demo Contest. Because of its size, the demo is split across two disks. Two floppy drives, or a hard disk, are strongly recommended. Binary only. Author: Roger Current FF265 & 266

**VAXterm** A VT220 terminal emulator that is close to the real VT220 terminal in both supported facilities and user interface. Designed primarily for connection to VAX/VMS, it should work with any host computer with VT220 terminal support. Supports file transferring for ASCII files by means of DCL commands. Version 2.4, includes source. Author: Tuomo Mickelsson FF369

# Freely Redistributable Software

**Vc** Visicalc-like spreadsheet calculator program. Author: James Gosling, Amiga port by Peter Hardie FF36

**vc** VisiCalc type spreadsheet, no mouse control. Executable program and documentation. AM14

**VcEd** A Voice (Tone) Editor for the Yamaha 4 Operator series synthesizers. Binary only, source available from author. Author: Chuck Brand FF345

**VCheck** Version 1.2 of the virus detection program from Commodore Amiga Technical Support. This version will test for the presence of a virus in memory, or on specific disks. Binary only. Author: Bill Koester. FF126

**VCLI** Voice Command Line Interface (VCLI) is an Amiga voice recognition program that learns and recognizes a set of voice commands. Each voice command is associated with an Amiga CLI command that is executed when an incoming voice command is recognized. VCLI allows the execution of any Amiga CLI command by voice. Requires the Perfect Sound 3 audio digitizer. This is Version 2.0 of VCLI which offers improved performance, improved operability, and improved graphics for voiceprint display. Binary only. Author: Richard Horne FF542

**VDraw1.16** Shareware drawing program submitted by the author. This version uses menus but includes some items not on version 1.19, also on this disk. Drawing program, based on freedraw, but now transformed and enhanced beyond recognition. Draws hollow boxes, filled boxes, freehand sketches, lines, circles, and arcs. Also has area fill, text insertion, 16 different line patterns, predefined area fill patterns, a magnify mode, cut and paste, color inversion, erase, grid pattern, and more. This is version 1.14. This shareware program (suggested \$15 donation) was submitted by the author for inclusion in the library. Author: Stephen Vermeulen FF52, FF38, FF31

**Vdraw1.19** Latest version of Vdraw, with a completely new iconic user interface, and some other new features including a color palette mixer and DPaint style brushes, extended cutting features, area locking, and a flexible printing interface. Author: Stephen Vermeulen FF52

**Vectors** A simple program to test how fast the Amiga can draw lines. Includes two versions, 1.0 and 1.1, each of which performs tests slightly differently. Includes source. Author: Gauthier Groult and Jean Michel Forgeas FF316

**vendors** Older text file of Amiga vendors, names, addresses. AM12

**Venus** An IFF picture. AM6

**Verify** Walks a directory hierarchy reading all files, reporting any files that can't be entirely read. Version 1.2, includes source. Author: Joel Swank FF304

**VerseWise** Gospel (Matthew, Mark, Luke, & John) version 1.0 of a Bible view/output/search program. Opening a resizable window on the Workbench screen, it allows the user to jump to any specific verse, output scripture to a disk file, or find verses containing one or more specific words. It uses the King James Version of the Bible, compressed. Binary only. Author: Bruce Geerdes FF549

**ves copy** protection. Executable program and documentation. AM14

**VGad** A new gadget editor that takes two pictures of the window and its gadgets, one being the normal gadget state and the other being the fully selected state, and then merges the data and converts to C source code. Version 1.0, binary only. Author: Stephen Vermeulen FF137, AC1

**Viacom** Latest version of viacom for use in conjunction with the WaveBench demo. Binary only. Author: Leo Schwab & Bryce Nesbitt FF112, FF84

**vibrophone** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**VideoMaxe** A program to manage one's private video tape collection. Both program and documentation are in German; no English version at this time. Version 3.00, binary only. Author: Stephan Surken FF547

**Vidtex** Vidtex displays Compuserve RLE pics in source code and as an executable. AM11

**View** A mouse-oriented text file reader. Sample operation is demonstrated in reading the View.doc file, instead of using the usual 'Less' text file reader. By Bryan Ford FF163, FF58, AM14

**View** A text display with many controls and features including searches, file requestors, jump to editor etc. This is version 1.3, an update to version 1.0 on disk 504. Includes source. Author: Jan Van Den Baard FF547, FF504

**View80** Scrolling text file reader with three scrolling modes controllable via keyboard or mouse. Opens file requestor if no filename is given. Automatically configures screen size for PAL or NTSC machine. Version 2.0, an update to version 1.1 on disk 365. Binary only. Author: Federico Giannici FF488, FF365

**ViewDir** Allows reading the current directory by commanding VIEWDIR ". ". Displays a listing of the specified directory with the total bytes at the bottom and the description of the file types next to each file.

Also includes a "version string" to allow a DOS 2.0 VERSION command to read. This is version 2.1 an update to the version on disk 358. Assembler source included. Author: Jim Butterfield FF504, FF358

**Viewer** A very small program for displaying IFF pictures of any resolution. This one is written in assembly code and is only 988 bytes long. Binary only. Author: Mike McKittrick FF199

**Viewer** Displays IFF pictures fast! Version 1.0. Includes source in EZAsm. Author: Joe Siebenmann FF484

**ViewILBM** Reads an ILBM file and displays as a screen/window until closed. Handles normal and HAMILBM's. Author: Based on ShowILBM, enhanced by Carolyn Scheppner FF 72, FF44

**violin** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Virus Check Dir** Several programs relating to the software virus that came to the US from pirates in Europe as detailed in Amazing Computing V2.12. Bill Koester's full explanation of the virus code is included. One program checks for the software virus on a Workbench disk; the second program checks for the virus in memory, which could infect other disks. AM24

**Virus\_Alert!** Yet another anti-virus program with a twist. Once installed a message is displayed just after a warm or cold boot notifying the user that the disk and memory are virus-free, and forcing a mouse-button press before continuing. Anything writing to the bootblock thereafter will destroy the message and a normal virus-infected boot(???) will take place. Versions 1.01 and 2.01, Binary only. Author: Foster Hall FF154

**VirusControl** A new virus detection and control program that checks disks during insertion, protects from link viruses, shows bootblock on a screen, periodically checks system vectors, controls access to files with a requester, etc. V1.3, includes full assembly language source code. Author: Pius Nippen FF211

**VirusUtils** Two programs to detect viruses on disk and in memory. Virushunter removes all known viruses in memory. Viruskiller removes all known viruses in memory and after removing the viruses the disks can be checked without the virus copying itself to the disks. Version 3.60, binary only. Author: Pieter van Leuven FF331

**VirusX** A boot sector virus check program that runs in the background and automatically checks all inserted disks for a nonstandard boot sector. Such disks can optionally have their boot sector rewritten to remove the virus. Includes source. Author: Steve Tibbett FF137

**VirusX** Version 4.0 of a popular virus detection/vaccination program. This is an update to FF216. Includes a check for the new Xenovirus. Author: Steve Tibbett, Dan James, Jim Meyer FF287, FF216, FF175, FF158, FF154, FF137

**VisaCard** A VISA card in an IFF picture. AM6

**VLabel** A program to print fancy customized disk labels. It will combine an IFF picture and up to 50 lines of text (which may be placed arbitrarily in any font or point size) and then print the result. The IFF picture can be virtually any size (up to 1008 by 1000). It will also print labels from a batch file produced by SuperBase. Version 1.20, binary only. Author: Stephen Vermeulen FF137

**Vlt** VLT is both a VT100 emulator and a Tektronix (4014 plus subset of 4105) emulator, currently in use at SLAC (Stanford Linear Accelerator Center). Although the VT100 part was originally based on Dave Wecker et al.'s VT100, many enhancements were made. Features include use of ARP, an AREXX port, XMODEM 1K/CRC and Kermit protocols, support for additional serial ports, external file transfer protocols (XPR), a 'chat' mode, and scrollbar/review/history buffer. It comes in two versions, one with Tektronix emulation, and one without. The Tektronix emulation allows saving IFF files, PostScript files, and printing bitmaps to the printer. This is version 5.034, an update to version 4.846 on disk 410. Binary only. Author: Willy Langeveld FF455, FF410, FF308, FF257, FF245, FF226, FF202

**Vlt** Vlt version 5.045, a partial update to version 5.034 on disk 455. Includes new executables with and without Tektronix emulation, and a new xprscii library. You still need the files from disk 455 to make a complete distribution. Binary only. Author: Willy Langeveld FF468

**VLTimer** A clock/timer window that sticks on the VLT screen (or on the Workbench if VLT is not running or opened on the Workbench) to check connection times (and costs). Version 1.02, includes source (SAS-C); Author: Maurizio Loreti FF539

**VIMK** A virus detector, this program no longer detects specific viri, instead it concentrates on checking system vectors and various parameters that viri typically modify in order to survive reboots. This is version 1.0, an update to version .27 on disk 328 listed under "Hames". Binary only. Author: Chris Hames FF510

**VMore** A shareware program, submitted by the author, that is a 'more' like text file viewing utility that can be run on multiple files from either the WorkBench or the CLI. Version 1.00, includes source. Author: Stephen Vermeulen FF85

**Vnews** A simple news file reader, that will read all the news files in a specified directory, optionally starting with a specified file. Includes source. Author: Stephen Vermeulen FF85

**VoiceFilter** Voice filter program for Yamaha DX series synthesizers. Voices are transferred to and from the Amiga over MIDI. Author: Jack Deckard FF38

**Vortex** A universal accented character converter for Amiga, IBM-PC, Macintosh, and C64 files written in most west european languages (Danish, Finnish, French, German, Italian, Icelandic, Norwegian, Spanish, Swedish, and more. Works with either ASCII or Word Perfect files. Version 1.5, includes source. Author: Michel Laliberte FF454

**VPG** Video pattern generator for aligning monitors. Executable program and documentation. AM18

**VRTest** Another anti-virus utility that allows visual inspection of RAM starting a \$7E7FE, RAM cleaning, bootblock inspection and vector monitoring/resetting. Written entirely in assembly language. Version 3.2, binary only. Author: Babar Khan FF161

**vScreen** Allows you to have screens that are larger than the actual display area of your monitor. These larger "virtual screens" scroll when you move the mouse off the edge of the visible section of the screen. Currently does not work under AmigaDOS 2.0. Includes source. Author: Davide Cervone FF494

**VSnap** This is an enhanced version of Snap 1.3, submitted by Steve Vermeulen, which adds the ability to save clipped graphics as IFF FORM ILBM's to the clipboard, so they can be imported to other programs that understand IFF and the clipboard. Dubbed it VSnap, since the official 1.4 Snap is also included on this disk. Includes source. By: Mikael Karlsson, enhancements by Steve Vermeulen FF326

**vsprite** VSprite example C code from Commodore, S-E-D. AM12

**VSprites** Vsprite example from Rob's book 'Programmers' Guide To The Amiga'. Produces 28 VSprites on screen simultaneously, using only three distinct sets of colors. Includes source. Author: Rob Peck FF61

**VSprites** A working vsprite example. Author: Eric Cotton FF55

**Vt100** A vt100 emulator for the Amiga, which also supports various file transfer protocols like kermit, xmodem, ymodem, zmodem, etc, has an AREXX port, can use custom external protocol modules, and more. This is version 2.9a. Includes source. Author: Dave Wecker, Tony Sumrall, Frank Anthes, and Chuck Forsberg FF330, FF275, FF138, FF114, FF55, FF47, FF41, FF36, FF31, FF29, AM17

**VTek V2.3.1** Tektronix graphics terminal emulator based on the VT-100 prog. V2.3 and contains latest 'arc' file compression. AM17

**VTest** A simple example how to test if the AMIGA is infected by a Virus. It simply checks some vectors in the Exec Base structure and some library routines like DoIO. Version 1.0, includes source. Author: Frank Enderle FF533

**Vttest** Program to test compatibility of vt100-compatible terminals and terminal emulators. Requires the resources of a UNIX system to test an Amiga hosted vt100 emulator. (I haven't yet found one that even comes close to passing this test!). Author: Per Lindberg FF35

**VU** Todor Fay's SoundScape module source code from his AC articles. The Lattice and Manx C source code is here, along with the executable modules. AM26

**WackCmds** Text tips on using Wack. AM1

**wailing guitar** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**WaitAnyKey** A CLI command which will wait until the user presses any key. Useful for batch files, to pause until any key is struck. Version 1.00, includes source in assembly. Author: Roger Fischlin FF437

**Wanderer** A neat little game with graphics and sound, ported from the Unix version, originally written on a Sun workstation. The idea for Wanderer came from games such as Boulderdash, Xor, and the Repton games from Superior Software. Includes a builtin editor for extending the game by adding additional screens. V2.2, includes source. Author: Steven Shipway and others. Amiga port by Alan Bland FF216

**WarpText** Fast text rendering routines, to be linked with application programs. Reported to be able to display text as fast or faster than, 'blitz'. This is an update to the version released on FF 87. Version 2.0, includes source. Author: Bill Kelly FF96, FF87

**WarpUtil** Warp (version 1.11), UnWarp (version 1.0), and WarpSplit (version 1.1). Warp reads raw filesystems and archives them into a compressed version in a normal file. UnWarp turns them back into filesystems. WarpSplit

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Last Minute Additions

splits them up into smaller pieces on a track by track basis. Binary only. Author: SDS Software FF243

**WARanger** Sends a window, identified by its name, to the front or to the back, without selecting it. Useful in conjunction with AmiCron. Works on all screens. Includes source in assembler. Author: Heiko Rath FF139

**WatchMan** A little screen hack inspired by 'EyeCon' on Sun systems. Includes source. Author: Jonas Petersson FF283

**water drip** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**WaveBench** This is Bryce Nesbitt's Badge Killer Demo Contest entry. It is a neat screen hack, and runs on 512K machines. For more laughs, try in conjunction with Viacom or Ds (Dropshadow). Includes source. Author: Bryce Nesbitt FF112

**Waveform** Jim Shields' Waveform Workshop in AmigaBASIC. In C source code and documentation. AM19

**WaveMaker** WaveMaker is intended to give beginning music and physics students a "hands on" feel for how complex waves are made by adding a harmonic series of sine waves. A fundamental and up to seven harmonics are available. The resulting waveform can be displayed on the screen or played on the audio device using the keyboard like a piano. A game mode is also provided. Version 1.2, an update to version 1.1 on disk 318, with several bugs fixed, more efficient code, and a new display option. Includes source. Author: Thomas Meyer FF481, FF318

**WBAssign** A small WorkBench program that creates AmigaDOS assignments without having to open a CLI. Assignments may be made by specifying a complete path (as supported by the CLI command), or by specifying a path relative to the current directory. This allows a program and its assigns to be moved easily. In addition, WBAssign can create assigns specified in the icon files of other programs located anywhere in the system. This is version 1.20, binary only. Author: John Gerlach Jr. FF277

**WBColors** A simple little program to change the Workbench colors to a predetermined color set, for programs that expect to be booted off their distribution disk but instead are run from a hard disk. Includes source. Author: Stefan Lindahl FF121

**WBD** Possibly the smallest utility to set the workbench screen to any depth. Includes source in C. By: Oliver Wagner FF346

**WBDepth** CLI program that allows you to change the number of bitplanes for the WB screen on the fly. Very useful for A500 and A2000 users with kickstart in ROM. Binary only. Author: Andry Rachmat FF175

**WBDualFF** An example of using a dual-playfield screen, using a method contrary to documentation in the Intuition Manual. Fixed version of copy released on FF41. Includes source. Author: Jim Mackraz FF87

**WBDump** JX-80 optimized workbench printer that does not use DumpRPort. Much more efficient than the Amiga JX-80 driver for fullscreen dumps Includes source. Author: John Hodgson FF58

**WBGauge** A utility to patch AmigaOS 2.0 to bring back the little gauge in the left border of disk windows, showing the ratio of available space on the disk. Version 1.0, binary only. Author: Jean-Michel Forgeas FF417

**WBLander** This entry from the Badge Killer Demo Contest is a special version of the WBLander program from FF100. The ending is unique. Also uses sound effectively. Includes source. Authors: Peter da Silva and Karl Lehenbauer FF114, FF100

**WBLink** WBLink corrects a deficiency in Workbench 2.0: the inability to create links to files and directories from Workbench. WBLink puts an 'AppIcon' on the Workbench screen that makes a link to any file or directory that is dropped on it. For Workbench 2.0 or later. Version 1.00, includes source. Author: Dave Schreiber FF546

**WBPic** Replaces Workbench's color 0 with an IFF hires non-interlaced picture, in 2 or 4 colors. Version 1.0, includes source in Modula-II. Author: Fridtjof Siebert FF234

**WBPlane** Two very small tools to change the depth of the Workbench screen. AddWBPlane adds a bitplane. SubWBPlane subtracts a bitplane. Both can be run from both CLI and Workbench. This is version 1.0. Includes source in assembler. Author: Preben Nielsen FF543

**WBRes** A program that allows WorkBench users to have resident programs, as in the resident capability of WShell, the ARP shell, and the WB1.3 Shell. Version 1.2b, shareware, binary only. Author: John Bickers FF277

**WBRUN** A RunBack style program which use parm.library. Runs programs in WB mode from any CLI. Programs are fully detached. The program you run must support WB startup. Not related to WBRUN on disk 43. Includes source in C. Authors: Sylvain Rougier, Pierre Carrette FF540

**WBRUN** A program designed to allow any program to be

invoked from CLI yet behave as if it were invoked from Workbench. Workbench need not be loaded, thus saving the memory that Workbench would normally use. Author: JohnToebes FF43

**WBShadow** A small program that creates a shadow for everything that's displayed on your WorkBench (Windows, Icons, Gadgets, Menus, Texts, etc.). V 1.0, Source in Modula-II. Author: Fridtjof Siebert FF253

**Wc** A 'word count' program, ala UNIX's wc, that is faster because it doesn't count what you don't ask for, plus some other improvements. Includes source. Author: Steve Summit FF69

**Webster** The dictionary page in an IFF picture. AM7

**weird** A program written in AmigaBASIC that makes strange sounds. AM11

**WFile** Small but useful tool to interchange ASCII files between different operating systems. Converts foreign symbols and adapts linefeed codes. Can also be used to expand tabs to multiple spaces or vice versa. It has builtin templates for interchange between the Amiga, MS-DOS and UNIX. Profiles can be used for common adaptations. Version 1.11, includes source in C. Author: Joerg Penin / Metalworx FF536

**WFrags** Another version of Frags, but this one pops up a nice little window that updates occasionally. Necessary for developers who wonder what their program is doing to memory, or wonder why they can't load that program. Includes source. Author: Tomas Rokicki FF131

**Wharves** HIRE BW tall ships in port FF72

**WhatIs** A neat little utility which not only recognizes a wide variety of file types (executables, IFF, icons, zoo files, etc), but prints interesting information about the structure or contents of the recognized file types, such as what libraries, devices, resources, fonts, etc. a program uses. This is version 2.0, an update to version 1.2a on disk 334, and is for AmigaDOS 2.0 only. Binary only. Author: Jorrit Tyberghien FF417, FF334

**Wheel** Nice little 'Wheel of Fortune' type game, written in AmigaBASIC. Author: Hari Wiguna FF67

**WheelChairSim** A wheelchair simulator developed as a project for the Technical Resource Centre and the Albert Children's Hospital, to allow the matching of a wheelchair joystick to a child's handicap and allow the child to practice using the chair in a safe (simulated) environment. Binary only. Author: Unknown, submitted by Dr. Mike Smith FF139

**wheels** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13, AM1

**Whence** Whence will locate any program/file in your current path. Similar to the the UNIX whence command. Version 1.0, binary only. Author: George Kerber FF432

**WhereIs** Program which searches a disk for the first or multiple occurrences of a file with a given name. Author: Steve Poling FF45

**Whereis** Another 'find-that-file' utility. Whereis searches on your (hard-)disk for a file(name) and displays the path to that file. Some features are case independent search, wildcards, interactive mode (cd implemented), can display size and date of files, always abortable, can archive filenames for 'ZOO' (like fnams/recurdir), and no recursive procedures. Includes source in C. Version 1.18 (2-15-90). Author: Roland Bless FF321

**whereis.c** Find a file searching all subdirectories. C program. AM5

**WhichFont.c** Loads and displays all available system fonts pro-cess.i and prtbase.i assembler include files. C program. AM4, AM1

**whistle** Sound demonstration icon-driven part of a set on AMICUS 10 AM10

**Who** A rewrite of 'who', from FF79, which gives substantially more elaborate information about the tasks currently running (or waiting) on your Amiga. Includes source. Author: George Musser, rewrite by Paul Kienitz FF224, FF79

**Why** replace your AmigaDOS CLI Why AM24

**Wicon** A 'Window Iconifier'. Allows you to turn your windows into small icons which can be later recalled. Currently installed with MacWin to give your windows a 'rubber-banding' effect. Version 1.14, Includes source. Author: Steven Sweeting Introducing the Amiga FF154

**wiconify** A program, and number of companion utilities, that allow you to iconify windows on any screen, including custom screens. Iconified windows become small icons on the bottom of the screen, and they can be opened again by double-clicking them. Also allows any screen to become a shared, WorkBench-like screen, and gives you the ability to create new screens specifically for this purpose. Each window can have its own custom icon. There is a programmers interface to allow programs to control their own icons. Version 3.8, includes source. Author: Davide Cervone FF500

**Wild** Two versions of UNIX shell style wildcard matching

routines. Author: Rich Salzand Fred Fish FF43

**Window** Sample program which shows how to create a DOS window in a custom screen Author: Andy Finkel FF38

**WindowShuffle** Activates and brings to front next or previous window with hotkeys. Hotkeys can be changed. Implemented as a commodity. Requires AmigaOS 2.0. This is version 1.05. Includes german version and source in C. Author: Stefan Sticht FF497

**WinMan** A very simple utility to manipulate windows. It adds some menus to the workbench, which you can use to shrink, maximize, tile or cascade your windows. AmigaDOS 2.0 only. Version 1.0, includes source. Author: Jorrit Tyberghien FF420

**WinSize** CLI window utility resizes current window. In C source code, executable program, and documentation. AM19

**WireDemo** Matt's entry for the Badge Killer Demo Contest. Demonstrates the Amiga's line drawing speed. Runs on a 512K Amiga. Includes source. Author: Matt Dillon FF118

**WitchingHour** A game. AmigaBASIC Program. AM3

**With** CLI command that allows you to start any other CLI command several times and give it all the files that match a file pattern as an argument, one at a time. V 1.0, Modula-II Source. By: Fridtjof Siebert FF253

**wKeys** A 'hot-keys' program that binds keyboard function keys to window manipulation functions (window activation, front to back, moving screens, etc). Includes source. Author: Davide Cervone FF128

**WO** An intuition-based address book that allows saving of data in normal or password-encoded form. Version 1.0, includes partial source, (password encoding routines not included). Author: Heinzelmänn FF363

**Woman&Pencil** Famous IFF image of a woman holding a pencil (seen in early Digi-View™ advertisements). AM7

**Wombat** Yet another terminal emulation program. Version 3.01. Has user set table cursor, programmable function keys, vt-102 emulation, auto-dialing, loadable settings files, and more Author: Dave Warker FF50

**WonderSound** Wondersound is an additive harmonic instrument design tool with a separate envelope design window and 16 relative harmonic strength and phase angle controls. Version 1.7, an update to version 1.6 on disk 428. Binary only. Author: Jeffrey Harrington FF449, FF428, FF407

**WordPuzzle** The object of this game is to find a word in a puzzle arrangement. There are three different variations of the game. Version 1.1, includes source in BASIC. Author: Russell Mason FF469

**WordSearch** This is an automated wordsearch generator. Words orientations can be limited to any subset of the eight primary directions and the puzzle can be rotated or flipped. It has a spartan but functional user interface highlighted by the req.library. The system default font under WB 2.0 is supported for the puzzle display window. Version 1.0, includes source in C. Author: Craig Lever FF498

**World** A text adventure game similar to the Infocom adventures of Planetfall and Starcross. Quite large with a tremendous variety of responses. V1.02, includes source. By Doug McDonald, Amiga port by Eric Kennedy FF184

**WorldDataBank** A project using geographical data, declassified and made available by the CIA under the Freedom of Information Act, to draw a Mercator projection of any area of the Earth that you would like to inspect, in various degrees of magnification. Also includes a program that displays a 'satellite view' of any region. Version 2.0, includes source. Author: The CIA, Mike Groshart, Bob Dufford FF262

**WorldMap** A world map in an IFF picture. AM6

**WorldMap** An AmigaBASIC program which draws a map of the world. AM9

**Worm** An Amiga implementation of the classic 'worms' program, based on an article in the Dec 1987 issue of Scientific American. You can specify the size and length of the worms, and the number of worms. Includes source. Author: Brad Taylor, Amiga port by Chuck McManis FF218

**Wrap** A program to wrap a Sculpt-Animate 4D image around a sphere or cylinder. You can even use relief surfaces to construct planetary objects or other textured shapes. Version 1.32, shareware, binary only. Author: Martin Koistinen FF414

**Wreg** Replace 'pop-up' requestors with line-oriented requestors (similar to those found in an MS-DOS environment) that can be easily handled from the keyboard. If there is no interactive console for the process, the requester won't appear. Includes assembly source. Author: Tuomo Mickelsson FF387

**WriteIcon** Sample code that creates an icon using a compiled-in image, the source of which can be created with Icon2C on FF56. Version 1.0, includes source in C. Author: Dan Burris FF297

**Writing Faster Assembly:** Continuing the discussion of



speeding up programs. Author: Martin F. Combs AC13

**WTF** WTF (Window To Front) is a little hack which brings a window to the front when double-clicked. Includes source. Author: Thomas Albers FF416

**X-Spell** A spelling checker to proofread text files and then allow you to move through the document, deciding what to do with the misspelled words. Suggested \$15 donation. Author: Hayes Haugen FF40

**X2X** Cross converts between Motorola/Intel/Tektronix ASCII-hex files. These files are typically used for down-line-loading into EPROMs, or for transmission where binary files cause chaos. Handles S1, S2, S3, INTEL (inc USB A records), Tektronix (inc extended). Source included. Author: Gary Duncan. FF345

**XBoot** A very simple utility to convert a boot block into an executable file so you can use your favorite debugger (Wack, Dis, etc.) to study it. Includes source. Author: Francois Rouaix FF161

**XColor** A program designed to change the colors of any screen. You can also add and subtract bitplanes in the screen, or convert the screen to black and white (grayscale). Handles HAM and EHB screens. Version 1.2, includes source in assembly code. Author: Roger Fischlin FF244

**XColor-Lib** Link library with a full-fledged color requester along with several color functions like copy, spread, exchange, antique black & white, etc. to aid in creating your own custom color requestors. Contains several demos along with include files for C, AmigaBasic, DevPac Assembler and KickPascal. Author: Roger Fischlin FF361

**XCopy** A replacement for the AmigaDOS copy command. Preserves the file date, provides an 'update only' option, and uses UNIX type wildcards. Binary only. Author: Lee Robertson FF74

**Xebec** A couple of hacks to make life easier for those who have Xebec hard disks. One makes it more possible to Mount a Xebec hard disk with the Fast File System, the other is a compact head parking program. Includes source. Author: Paul Kienitz FF224

**xenos** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. The program on AMICUS 1 is in ABASIC FF13, AM1

**XenoZap** A program that recursively descends into directories, disabling the Xeno virus in all executable files that it finds. Version 1.0, includes source in Modula-2. Author: Kevin Kelm FF300

**XfrmReview** Text list of Transformer programs that work. AM9

**XHair** Replaces the mouse pointer with a screen wide crosshair, which is useful for positioning things vertically or horizontally. V1.0, includes source in Modula-II. By Fridtjof Siebert FF234

**Xicon** Xicon lets you use icons to call up scripts containing CLI commands. V2.5, an update to FF157. New features include automatic selection of the correct execution directory, the option to have keyboard interaction, and the use of IF, ELSE, etc DOS commands. Binary only. Author: Pete Goodeve FF290, FF157, FF102, FF31

**XI** Demo version of a single bit-plane cel animation generator. Uses an onion-skin display to rough in an animation sequence. Has a large AREXX command set, multiple precision bezier curves and splines, scalable and rotatable polygons, brush support with blitter logic, turtle graphics and macro key definitions. Requires req.library (Fox/Dawson). Non-saving demo version, binary only. Author: Martin C. Kees FF516

**XLisp** Small lisp type interpreter, binary only (source to older version was on disk #18). Version 1.7. Author: Dave Betz FF39, FF18, FF3

**XLispStat** A statistical program based on David Betz' XLisp. It does some of the most advanced dynamic statistical graphics, included brushing, linking, and 3D rotations. Menus and requestors can be created dynamically with simple lisp commands, and treated as lisp objects, so that the program could be used for many other non-statistical purposes, such as interactive expert systems. XLisp-Stat has an AREXX port so that an editor may be used to prepare lisp programs and send them directly to XLisp-Stat to be executed. Commands, as character strings, may also be sent from XLisp-Stat with the lisp command, 'arexx'. All graphics produced may be saved to files in IFFformat. This version of XLisp-Stat (v.2.1, release 1) has been ported to the Amiga by James Lindsey, from the Mac version supplied by Luke Tierney. Requires a numerical coprocessor (M68881/M68882) and an M68020/M68030 processor. This disk contains the executables, manual, and lisp files. The sources can be found on disk 386. Author: David Betz, Luke Tierney, James Lindsey FF385

**XLispStat** A statistical program based on David Betz' XLisp. It does some of the most advanced dynamic

statistical graphics, included brushing, linking, and 3D rotations. Menus and requestors can be created dynamically with simple lisp commands, and treated as lisp objects, so that the program could be used for many other non-statistical purposes, such as interactive expert systems. XLisp-Stat has an AREXX port so that an editor may be used to prepare lisp programs and send them directly to XLisp-Stat to be executed. Commands, as character strings, may also be sent from XLisp-Stat with the lisp command, 'arexx'. All graphics produced may be saved to files in IFFformat. This version of XLisp-Stat (v.2.1, release 1) has been ported to the Amiga by James Lindsey, from the Mac version supplied by Luke Tierney. Requires a numerical coprocessor (M68881/M68882) and an M68020/M68030 processor. This disk contains the sources. The executables, manual, and lisp files can be found on disk 385. Author: David Betz, Luke Tierney, James Lindsey FF386

**xmodem** One of the many basic sample programs from Fred Fish's Disk 13 Grab Bag. At press time it is not certain whether which of the two early basics this program used. FF13

**Xnum** A useful CLI conversion utility that takes a decimal, binary, octal or hex number as input and displays the number in all four formats. Binary only. Author: Oliver Ensling FF379

**Xoper** Very comprehensive program to monitor and control system activity. Monitor cpu, memory usage, ports, interrupts, devices. Close windows, screens, show loaded fonts or last Guru code number. Clean up memory, flush unused libraries, devices, fonts, etc. and a whole bunch more! Spawns its own process. A very handy background task to have loaded. This is version 2.2. Changes include mostly bug fixes and some minor enhancements. Assembly source included. Author: Werner Gunther FF318, FF274, FF228, FF171

**Xplor** A program that scans all the system lists that start in ExecBase and prints out their names and addresses at which they start. Includes assembly source. Author: Larry Phillips FF73

**XprKermit** An Amiga shared library which provides Kermit file transfer capability to any XPR-compatible communications program. Supports version 2.0 of the XPR Protocol specification. Version 1.5, includes source. Author: Marco Papa, Stephen Walton FF330

**XprLib** External file transfer protocol library. Document and code example for implementing external file transfer protocols using Amiga shared libraries. This is version 2.0 with many extensions and enhancements. Includes sample XPR library and source. Author: Willy Langeveld FF247, FF240

**XprTransmit** XprTransmit is an CLI-based command that allows you to easily access to any Xpr Library without having to worry about call-back-function et cetera. It is able to access every serial.device-like exec-device. Only little documentation. Version 1.0, binary only. Author: Andreas Schildbach FF369

**XprZmodem** An Amiga shared library which provides ZModem file transfer capability to any XPR-compatible communications program. This is version 2.10, an update to version 2.0 on disk 261. Includes source. Author: Rick Huebner FF459, FF261, FF236

**Xref** A C cross-reference gen., C program in C source code and executable. AM3

**xrf** C cross reference utility. Originally from Decus C distribution. Author: Bob Denny FF2

**YaBoingII** A game program demonstrating hardware sprite usage, including collision detection. + Includes source. Author: Ali Ozer, based on original by Leo Schwab FF136, FF36

**Yacc** This is a port of Berkeley Yacc for the Amiga. This Yacc has been made as compatible as possible with the AT&T Yacc, and is completely public domain. Note that it is NOT the so-called Decus Yacc, which is/was simply a repackaging of the proprietary AT&T Yacc. This is an update to the version on disk 299. Includes source. Author: Bob Corbett et. al. FF419, FF299

**YachtC3** Update to the YachtC program on disk #10, contains some fixes and incorporates a simple sound process. Version 3, includes source. Author: Sheldon Leemon, with enhancements by Mark Schretlen FF158, FF10, AM2

**Yaiffr** Yet Another IFF Reader. Handles HAM, HIRES, and overscan, includes source. Author: Leo Schwab FF87

**YatZ** One player Yatzee game. This program was written to take up little memory and to multitask nicely. Version 1.0, includes source in C. Author: Greg Pringle FF498

**Yawn!** A small WorkBench sliding block puzzle to keep your mind and fingers busy while your compiler is busy crunching away on your highly secret, hard earned source code that you hopefully remembered to unscramble first! Features selectable size from 4x4 to 7x7 and European, Hindi or Arabic numerals. Includes source. Author: Lorenz Wiest FF379

**YoYo** weird zero-gravity yo-yo demo, tracks yo-yo to the mouse, in AmigaBASIC. AM8

**Zc** A full K&R C compiler based on a port of the Atari ST version of the Sozobon-C compiler. Includes the C compiler main pass written by Johann Ruegg with fixes and enhancements by Joe Montgomery and Jeff Lydiatt, a cc front end written by Fred Fish with enhancements by Jeff Lydiatt and Ralph Babel, an optimizer written by Tony Andrews, an assembler written by Brian Anderson and Charlie Gibb, a linker written by the Software Distillery, generic include files, and a C runtime library written by Dale Schumacher and ported by Jeff Lydiatt. This is version 1.01. Author: Various, see documentation. FF314, FF193

**Zerg** An Ultima clone that takes your character through a simple but deadly fantasy world where you get to slaughter monsters, talk with the inhabitants of fully populated towns, embark on royal quests, purchase a plethora of weapons, cast spells, and otherwise occupy yourself while your computer is engaged in more important business. Version 1.0, binary only. Author: Mike Shapiro FF252

**ZeroVirus** A fully integrated virus checker and killer, with bootblock save and restore features. Finds both bootblock and file based viruses. Uses Brainfiles to recognise viruses, and has on-line Brainfile editing facilities. Can be iconified to Workbench screen. This is version III 1.15, an update to version 2.01 on disk 287. Binary only. Author: Jonathan Potter FF412, FF287, FF242

**Zippy** A 'Graphical Shell'. Opens a medium-size window and attaches a menu-strip for performing all sort of disk/data manipulations. Features script files allowing you to attach custom menu selections as you move between directories. Also included is an intuition based utility for altering FileInfo data. (filename, filenote, RWED attributes, etc.) Version 2.5, binary only. Author: Michael Weiblen FF175

**Zon** An arcade/adventure game that mixes a unique blend of puzzle solving and arcade adventure. Your mind and your reflexes will both be tested to their limits as you work your way towards your goal, recovering the Rings of Zon. Has 19 levels of action, save/restore your game on any level, stereo digitized soundtracks and sound effects, over 100 objects to discover and explore, up to 300 moving objects on the screen at once, and more. Volume 1, shareware, binary only. Author: George Broussard FF421

**Zoo** A file archiver, much like "arc" in concept, but different in implementation and user interface details. Version 2.10, an update to version 2.00 on disk 164. New features include greatly improved compression, preservation of full pathnames by default, and extended multi-screen help. Binary only. Author: Rahul Dhesi, Amiga port by Brian Waters FF527, FF164, FF136, FF108, FF87

**Zoom** A fast and efficient floppy disk archiving utility based on the data compression / decompression algorithms used by lh.library. Has an Intuition and a Shell interface, fully supports Kickstart 2.0, is able to add texts and notes to archived output files, knows 66 different bootblock viruses, includes a number of compression parameters (such as encryption of the output file) and a lot more. Version 3.10, binary only. Author: Olaf 'Olsen' Barthel FF436

**ZoomBox:** Attaches a zoom box to an Intuition window and allows the user to toggle the window's size and its position. Author: John Leonard AC12

**ZoomDaemon** Adds a "zoom" gadget to every window that can be resized. Pressing this gadget makes the window as large as possible or as small as possible, or brings it back to its normal size. Version 2.1.3, include source. Author: Davide Cervone FF498

**ZPlot** Graphs formulas based on 4-D complex number planes. ZPlot currently supports the Mandelbrot set, Julia sets, and Phoenix curves, with over 500 mapping variations. The math functions supported include sin(z), sinh(z), z^n, e^z, z^n, sqrt(z), cos(z), cosh(z), tan(z), tanh(z), log(z), ln(z) and n^z. Version 1.3d, binary only. Author: Terry Gintz FF389

**ZScroll** A short program which scrolls ASCII text files in a small window on your Workbench screen. Includes both English and German versions. Version 1.0, includes source. Author: Mark Zeindlinger FF544

**ZShell** A very tiny (13Kb) CLI shell modelled along the lines of CSH, with over 40 internal commands. Some of its features include command line editing, history buffer, aliases, function key aliases, reverse polish calculator, multiple commands on one line, loops, if-else-endif constructs etc. This is version 1.30 and includes assembly source. Author: Paul Hayter FF537

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Last Minute Additions

# Fred Fish by Categories

The following is a new addition to AC's GUIDE To The Commodore Amiga courtesy of Patrick Bailey. The Cat Fish directory has been a long time effort of Mr. Bailey and is considered one of the most complete category listings of Mr. Fish's extensive library. We have included it here through the good graces of Mr. Bailey to allow our readers to more easily locate the software they need in the Freely Redistributable library.

The index is arranged by category with the latest edition of each program and the Fred Fish disk that it is located on listed within these groups. As always, if you find any inaccuracies or have any ideas in how we can improve this or any other part of this guide, please write us.

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Fred Fish 306	DispMod	FME	FF365	FF380	CCLib	Utils
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RexxPiPlot	MicroTerm	PacketSupport	DmeAsm	FF381	TrackDisplay	FF417
Tree	NeuronalNets	PatchNTSC	EasyBackuPT	SKsh	FF400	Alert
Fred Fish 307	PopScreen	TextPaint	EasyMouse	FF382	DriveWars	Coyote
DissiDemos	Snap	Timetest	TrackDos	CrossDOS	ParNet	DataEasy
FileIO	VSnap	WBD	PTassword	Msh	ReqLib	MemLook
Samp	Fred Fish 327	Fred Fish 347	Update	FF383	SetCPU	MostCurrent
Fred Fish 308	ARTM	Cursor	View80	LHArc	SF2	Quiz
FReq	MM	Drip	FF366	LibraryKiller	FF401	WBGauge
ScreenShare	MRBackUp	Fred Fish 348	3DTicTacToe	MandelMountains	CrcLists	Whats
StarBlanker	Msh	ColorReq	DosError	Pcopy	HappySong	FF418
Vlt	Softfont	DisEditor	IntuiFace	FF384	FF402	AtMovies
Fred Fish 309	AnalytiCalc	DisSecretary	LoanCalc	Contact	ADoc	BootCACHE
Bind	Hames	FileIO	Makewords	Elements	APRf	LJP
Csh	RoadRoute	ILBMLib	MeMeter	NorthC	Pcopy	ModulaDels
SKsh	Fred Fish 329	InstallLibs	NDebt	FF385	PLW	PSX
Fred Fish 310	CPU	SAMP	PTPrintStudio	MortCalc	PrintStudio	PubScreens
Mon	DiskSpeed	Fred Fish 349	FF367	XLispStat	StdFile	Running
UUCP	Empire	MED	Enigmas	FF386	FF403	ScreenX
Fred Fish 311	FileSystems	Fred Fish 350	GwPTint	Statpack	FixDisk	FF419
CRobots	OnePlane	Icons	HyPTerDialer	XLispStat	KawaiEditor	ParM
Echo	Fred Fish 330	MemMometer	SCM	FF387	NittyTerm	ReqAztec
Etime	Mostra	Stitchary	SupTerView	BlitterSand	PokerDemo	ReqLib
Fortune	Palette	TrackUtils	Tricky	ExtFuncProc	RexxHostLib	SetColors
Incr	Vt100	FF351	Elements	GMC	Yacc	FF420
PKAZip	XprKermit	PTDC	GrapThicsPTak	H2I	LHArc	BootX
Update	Fred Fish 331	MG	Lila	MandAnim	NGTC	If2Src
Fred Fish 312	CRobots	PTrintHandler	ListWindow	MandelBlitz	FF405	MenuWriter
ChinaChallenge	Csh	TreeWalk	NewEx	Menu	GIFMachine	QuickHelp
LHArc	If2Ex	FF353	PTOPTMenu	NTSC-PAL	NGTC	ShowGadgets
Moonbase	LhArcA	AztecArPT	SupTerMenu	Wreq	FF406	SpaceWar
TrackSalve	LVR	ComPTDisk	SysInfo	FF388	ATCopy	SysInfo
Fred Fish 313	NTSC-PAL	NorthC	Today	Calc	DirWork	TTDDD
UUCP	PatchLoadSeg	FF354	FF369	DClock	DMS	WinMan
Fred Fish 314	VirusUtils	FastBlit	AQData	DIED	GnuAwk	FF421
A68k	Zc	KeyMacro	FIPT	Free	GnuGrep	DMouse
Fred Fish 315	AniPirs	MandelMountains	Fortune	KeyMapEd	MadBlanker	EZAsm
AmigaFox	DevPatch	MemGuard	SPTy	SnoopDos	FF407	NoVirus
Drawmap	Helper	MXMLib	VAXterm	Kick	DMouse	Zon
Surf	K1_Editor	FF355	XPTTrTransmit	Plot	Flex	FF422
Fred Fish 316	Kryptor	Berserker	FF370	PolySys	WonderSound	Gravity
Formulae	RevBut	ImageEditor	SKsh	Retab	FF408	Imploder
If2C	Fred Fish 333	LoadImage	FF371	ZPlot	DCmd	PopUpMenu
IntuiSup	MultiPlot	RexxHostLib	Fractals	FF390	KickDate	SystemTracer
Life	Fred Fish 334	SoundEditor	LockDevice	Flip	MoniDie	TrackDOS
SmartIcon	FBM	TrackSalve	PTort2	ReadmeMaster	Post	TrekTrivia
Vectors	PPMore	Tron	PTPTLib	SetClock	FF409	FF423
Fred Fish 317	PPShow	AlgoRhythms	PTPTShow	SM	Trek	Hollywood
StillStore	Whats	NComm	PTPTTYPTe	FF391	MechFight	LCDCalc
Uniq	Fred Fish 335	FF357	FF372	Curses	Vlt	Pogo
Fred Fish 318	BoingDemo	EmPTire	Magnetic_PTages	Eco	FF411	SetRamsey
CNewsBin	DTC	FF358	PTLW	FractalLab	BPDI	FF424
Lhwarp	SeeHear	Blob	RemaPTIcon	ListPlot	DiskPrint	AutoCLI
PKAZip	Fred Fish 336	OPTS5c	FF373	FF392	Mind	MED
WaveMaker	Car	PTIPTeline	MultiPTlot]	BTNTape	PCStatus	TurboTitle
Xoper	FileWindow	ReDate	FF374	CPlot	Tron	FF425
Fred Fish 319	MiniBlast	RoadRoute	IPTDevice	Pmode	FF412	A-Gene
AHDM	Sys	ScanIFF	Mat	SetNoClick	AutoAddRAM	CheckBook
CNewsSrc	Fred Fish 337	ViewDir	PTOPTArt	Spades	Check4Mem	Downhill
Mathtrans	Fred Fish 338	FF359	SoftSPTan	FF393	CopperBars	HeadGames
Fred Fish 320	Cop	ABridge	FF375	FileIO	CopperMaster	FF426
AmigaTrek	SASTools	DICE	BI	FontConvert	CusiReq	Conman
AmiOmega	SID	TextPTIus	CardMaker	FuncLib	DirectoryOpus	Metro
Fred Fish 321	PCQ	FF360	PTarM	ILBMLib	FAClock	RickParksArt
DezHexBin	Fred Fish 340	UUCPT	TextPTIus	LibTool	FALView	FF427
IconJ	NorthC	FF361	FF376	PrintSpool	Image-Ed	BlackJack
Ifs	Piplot	Brush_4D	AztecArPT	RexxIntuition	JoyMouse	Chemesthetics
Planets	SpeakerSim	FileMaster	Matrix	RexxLib	JPDDirUtil	Cynlic
Turtle	Fred Fish 341	TextPTaint	PTlotter	Liner	NoReq	STV
UnixDirs	P2C	Turn	ToolLibrary	FF394	OSK	FF428
Whereis	Fred Fish 342	FF362	FF377	Aniptrs3	PopInfo	BCBMusic
Fred Fish 322	IE	ArchEdge	AnsiRead2	Pics	SwapPlay	CyroUtils
Gwin	SKsh	Fenster	Formatter	PrintImage	SwapName	ShadowMaker
Fred Fish 323	Softfont	ImPTerium_Romanum	Icon2C	FF395	TicTacToe	Train
ColorTools	Fred Fish 343	KeyMenu	IE	DragonCave	ZeroVirus	WonderSound
CZEd	SnakePit	MemRoutines	IntuitionEd	FF396	ColorCatch	FF413
LinkSound	SoftSpan	PTUZZ	PTowerLOGO	NewLook	NewLook	ATCopy
Show	StockBroker	Rubik	FF378	PBar	PCalendar	CLimax
Fred Fish 324	DiskFree	sMOVIE	AdaPTi	PClock	PClock	Dr
ANSIEd			ANSIMaster			FixCLI
						MoveSYS



# Fred Fish Index by Disk

RunBack	FF447	LibTool	MouseXY	Signal	OakLisp	SMUSMIDI
Scrub	AmiBack	PrintSpool	PicSaver	sWindows	Fred Fish 521	ZShell
Timer	BackPac	RexxIntuition	PointerX	wiconfly	A68k	Fred Fish 538
Trippin	DFC	RexxLib	PSX	Fred Fish 501	BatchMaster	BCBMusic
Uedit-Stuff	FlashBack	FF464	PWKeys	AddMenu	CheckPrt	MatLabPatch
V	SMan	Cross	TD	AutoCLI	K1	NGTC
FF430	TCL	FileWindow	Fred Fish 484	Dominos	LandScape	Fred Fish 539
Lotto	FF448	PictureEditor	BootPic	DOSWatch	SynthSong	DT
Pointer	AmigaPet	Scan	EZAsm	Genesis	T3E	PF
SculptTools	FifoDev	FF465	MSClock	LList	Fred Fish 522	RPN
SmartFields	Mkid	FCS	Spright	NewList	MAK	SimpleRexx
FF431	NightMare	Lz	TextPlus	NoClick	Fred Fish 523	Uedit
A68Kex	OnTime	MRBackUp	Viewer	NoErrors	BMake	VLTimer
AdvTemplates	PicToANSI	TextPlus	Fred Fish 485	Fred Fish 502	Conquest	Fred Fish 540
CheetSheet	SolitaireX	FF466	Drawmap	AutoRev	PSGraph	Browser
EZAsm	ST2Amiga	DICE	NiftyTerm	CELLS	ScreenJaeger	CLiExe
FF432	Swish	HamLabDemo	Spades	EternalRome	SerLib	ParM
APalAsm	FF449	Mosaic	Fred Fish 486	ReturnCode	Fred Fish 524	PatchReq
Badger	Globulus	StopWatch	Metafont	SysInfo	Kamin	Req
Conquest	Handshake	FF467	SoundEd	TrackDOS	Snap	SANA
FifoDev	If2Ansi	Multiplot	Fred Fish 487	Fred Fish 503	TAPDemo	SetColors
Reader	Shazam	PowerSnap	AssignX	NoFragLib	Fred Fish 525	WBRUN
SBackup	WonderSound	FF468	MFSrc	PCQ	CrcLists	Fred Fish 541
TMonth	FF450	Post	PPrint	Fred Fish 504	DumpHarpoon	4D
Whence	AmyVsWalker	Vit	Fred Fish 488	PolySilCon	MinixDemo	GIFMachine
FF433	MinRexx	FF469	LordOfHosts	RoadRoute	SIOD	Llamatron
DiskPrint	Tabu	AirAce	MidTools	ShuttleCook	Fred Fish 526	MineClearer
Gwin	UUCP	FastLife	SGD	View	DataEasy	Steal
SysInfo	'Liner	Triangle	SuperDuper	ViewDir	GNUPlot	Thinkamania
FF434	FF451	WordPuzzle	View80	Fred Fish 505	Fred Fish 527	Fred Fish 542
Backup	Convert	FF470	Fred Fish 489	TheDatingGame	Arq	BootX
DynaCADD	ProDrivers	BCF	Automata	Fred Fish 506	Lister	ChemniMaTe
GMC	RCS	KeyMenu	MkBmap	Fred Fish 507	MightyMouse	PowerSnap
TypingTutor	RRamDisk	TripleYachtZ	SKsh	LHCon	PicBase	PP
FF435	SnoopDos	FF471	Fred Fish 490	NGTC	SRegExp	PPAnim
DeluxeBeep	FF452	BTNTape	AmiCheck	Fred Fish 508	ToolManager	PPLoadSeg
DynaCADD	Budget	MachIII	AntiLemmin	DirWork	Zoo	PPMore
Labeler	FLODemo	MoleWt	Recolor	HCC	Fred Fish 528	PPShow
FF436	ImageLab	Uedit	Fred Fish 491	Fred Fish 509	AmiOmega	PPTYPE
AztecArp	MandelPAUG	FF472	bBasell	Multi_Player	CpuBlit	RemapInfo
BatchRequester	FF453	CNewsBin	DICE	PCKeyMap	FontConv	Selector
Berserker	AmigaTration	ICalc	fBlanker	Fred Fish 510	KeyMenu	TheGuru
Input	Lemmings	IFFBeep	Klondike	ATCopy	SimSmart	VCLi
KeyMacro	ProjMot	FF473	Fred Fish 492	SYNWORKS	Fred Fish 529	Fred Fish 543
LhLib	Quick	BigBrother	LoanCalc	VMK	ClockDJ	AudioScope
MemGuard	FF454	CNewsSrc	SBProDemo	Fred Fish 511	MonkeyDemo	Badger
MMB	Decigel	Family_Sol	Fred Fish 493	Connex	TownMaze	ColorCatch
MT420d	Enforcer	MissileCmd	AmiBack	DirWork	Fred Fish 530	Day2Day
Zoom	Redaktu	FF474	AmigaLib	Less	DeckBrowser	MouseXY
FF437	StillStore	Aequipot	AmiGantt	OneKey	Dme	PictSaver
CLiWindow	Vortex	AmiDock	BizCalc	PCQ	TurboTitle	PReader
Flip	FF455	Enforcer	Connex	Fred Fish 531	CaligariDemo	Spectrogram
FMouse	AngusCopy	GreekFont	ScreenMod	Fred Fish 512	DisDF	TD
PatchCompiler	ConvMacF	Imperium	Fred Fish 494	Csh	FileSearch	WBplane
WaitAnyKey	MemMon	FF475	Bref	FlipIt	Graffiti	Fred Fish 544
FF438	Vit	AssignX	ButExchange	M2Pascal	PopulousKeys	AWP
GadgetED	FF456	Blankette	DeafLab	Solitaire	Fred Fish 532	EraseDisk
MenuC	CheatSheet	CITAS	InputLock	Fred Fish 513	BootPic	LanderGame
ToolLib	CManual	GadgetED	PWKeys	NewList	DataPlot	RaiderGame
FF439	Line	ToolLib	StackWatch	Fred Fish 514	SCSImounter	TurboGIF
AIBB	QuickReq	FF476	vScreen	DKBTrace	SCSIPrefs	ZScroll
Curses	ATCopy	Browser	Fred Fish 495	GearCalc	TrainerMaker	Fred Fish 545
DeluxeChanger	Csh	MED	AnalytiCalc	S220to8SVX	Fred Fish 533	DrawMap
HDClick	GIFMachine	Mostra	Fred Fish 496	TLog	BootGen	Fred Fish 546
M2Utils	TeXify	ToolManager	AvailMem	Fred Fish 515	Conquest	2View
FF440	FF459	IRMasteR	DU	CheckBook	Convert	Budget
3DPlot	AmiDock	MegaBall	GodsDemo	D110EdDemo	DosManager	DiskPrint
DMake	Conquest	NoDelete	MamMometer	PP	Icons	DSound
MegaD	Rxgen	FF478	Ruler	SetCCOPTS	OctaMEDDemo	WBLink
FF441	XprZmodem	LSlabel	Fred Fish 497	Fred Fish 516	VTest	Fred Fish 547
Daksid	Zoom	MED-Songs	AutoActivate	Enigma	Fred Fish 534	EasyExpress
DiskPrint	FF460	MP	Back&Front	Loom	Term	FindName
Dme	JMenu	NewList	CenterScreen	PhoneGram	Fred Fish 535	MMBSHift
FF442	NetHack	FF479	ChangeColors	Quotes	Accent	PowerSource
ToolManager	ShadowMaker	CheckPrt	LeftyMouse	RexxView	ArCL	RMBShift
UUCP	FF461	TDP	MouseAccel	Xi	BizCalc	Flat
FF443	Dfrags	UUCP	MouseBlanker	Fred Fish 517	Format	View
DICE	DiskPrint	FF480	NewShellCX	Aequipot	FracBlank	Fred Fish 548
UUCP	Logic	Cryptor	NLCalc	Icon	Icon	FreePaint
FF444	MandAnim	NoCare	NLDaemon	CWToy	KeyMacro	LabelMaker
ChinaChallenge	NewList	TpEdit	Reboot	Hex	SetBatt	MambaMove
EliteBBS	SBall	UUCP	Request	RussianFonts	termLite	Multinstall
MissileCmd	TDrow	Fred Fish 481	WindowShuffle	Spliner	Fred Fish 536	SandGlass
RegExpLib	Tron	K1	Fred Fish 498	Fred Fish 518	Chemesthetics	TG
UltraF-4	CacheDisk	MCP	CPalette	AmiDock	IncRev	Fred Fish 549
FF445	DisTerm	TLPatch	FreeCopy	Lister	PBlanker	Bugs
MWTape	Humartia	WaveMaker	Pauky	Post	WFile	FFEX
OptMouse	SeaLance	Fred Fish 482	TapeCover	Fred Fish 519	Fred Fish 537	FontList
Tar	Up&Down	Ephemer	WordSearch	AVLSort	AntiBorder	M2Icons
TurboText	FF463	Molec3D	YatZ	ChkFrag	BootGames	MouseMagic
UUCP	ExecRexx	Fred Fish 483	ZoomDaemon	FifoLib	CHIP8	Reversi
FF446	FileIO	ButExchange	Fred Fish 499	OakLisp	Cross	VersuWise
CanonBJ	ILBM	ColorSamples	Diglib	Optimizer	FO	Fred Fish 550
GamePort		InputLock	Matlab	Fred Fish 520	PaulCopy	BeBopDemo
Input		MED	Fred Fish 500	IOBoard	PBlanker	ICalc
PointerLib						
Post						

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# AMICUS FRS INDEX

## •AMICUS Disk 1•

**3DSolids** 3D solids modeling program/sample data files. ABasiC program.

**Blocks** Draws blocks. ABasiC program.

**Cubes** Draws cubes. ABasiC program.

**Durer** Draws pictures in the style of Durer. ABasiC program.

**FScape** Draws fractal landscapes. ABasiC program.

**Hidden** 3D drawing program, with hidden line removal. ABasiC program.

**JPad** Simple paint program. ABasiC program.

**Optical** Draw several optical illusions. ABasiC program.

**PaintBox** Simple paint program. ABasiC program.

**Shuttle** Draws the Shuttle in 3D wireframe. ABasiC program.

**SpaceArt** Graphics demo. ABasiC program.

**Speaker** Speech utility. ABasiC program.

**Sphere** Draws spheres. ABasiC program.

**Spiral** Draws color spirals. ABasiC program.

**ThreeDee** 3D function plots. ABasiC program.

**Topography** Artificial topography. ABasiC program.

**Wheels** Draws circle graphics. ABasiC program.

**Xenos** Draws fractal planet landscapes. ABasiC program.

**Tools**

**AddressBook** Simple database program for addresses. ABasiC program.

**CardFile** Simple card file database program. ABasiC program.

**Demo** Multiwindow demo. ABasiC program.

**KeyCodes** Shows keycodes for a key you press. ABasiC program.

**Menu** Run many ABasiC programs from a menu. ABasiC program.

**MoreColors** A way to get more colors on the screen at once using aliasing. ABasiC program.

**Shapes** Simple color shape designer. ABasiC program.

**SpeakIt** Speech and narrator demo. ABasiC program.

**Games**

**BrickOut** Classic computer brick wall game. ABasiC program.

**Othello** Also known as 'go', ABasiC program.

**Saucer** Simple shoot-em-up game. ABasiC program.

**Spelling** Simple talking spelling game. ABasiC program.

**ToyBox** Selectable graphics demo. ABasiC program.

**Sound & Music**

**Entertainer** Plays "The Entertainer", a Scott Japlan song made famous by "The Sting". ABasiC program.

**HAL9000** Pretends it's a computer from the HAL series (2001). ABasiC program.

**Police** Simple police siren sound. ABasiC program.

**SugarPlum** Plays "The Dance of the Sugarplum Fairies". ABasiC program.

**C programs**

**ATerm** Simple terminal. C program, source code and executable program.

**cc** Aid to compiling with Lattice C.

**decvnt** Opposite of CONVERT for cross developers. C program.

**Dotty** Source code to the 'dotty' window demo. C program.

**echox** UNIX-style filename expansion, partial S, C program in C source code and executable. Documentation included.

**fasterfp** Explains use of fast-floating point math C program.

**FixDate** Fixes future dates on all files on a disk. C program in C source code and executable.

**freedraw** Simple four-color Workbench drawing program. C program. In C source code and executable.

**GfxMem** Graphic memory usage indicator. C program. Source code and executable program.

**Grep** Searches for a given string in a file with docs. HAM shows off the hold-and-modify method of color generation. C program.

**IBM2Amiga** Fast parallel cable transfers between an IBM and an Amiga C program.

**Mandel** Mandelbrot set program. C program in C source code and executable.

**moire** Patterned graphic demo, C program in C source code and executable.

**objfix** Makes Lattice C object file symbols visible to Wack. C program. In C source code and executable.

**quick** Quick sort strings routine. C program.

**raw** Example sample window I/O. C program.

**setlace** Turns on interlace mode, C program in C source code and executable.

**sparks** Qix-type graphic demo, C program in C source code and executable.

**SpeechToy** Speech demonstration. Executable program.

**WhichFont** Displays all available fonts. Executable program.

**Texts**

**68020** Text describes 68020 speedup board from CSA.

**Aliases** Text explains uses of the ASSIGN command.

**Bugs** Text of known bug list in Lattice C 3.02.

**CLICard** Text file of a reference card for AmigaDOS CLI.

**CLICommands** Text guide to using the CLI.

**Commands** Shorter guide, in text, to AmigaDOS CLI commands.

**EdCommands** Text guide to the ED editor.

**FileNames** AmigaDOS filename wildcard conventions in a text file.

**HalfBright** Text explains rare graphics chips that can do more colors.

**ModemPins** Text description of the serial port pinout.

**RAMdisks** Text file with tips on setting up your RAM disk.

**ROMWack** Text files with tips on using ROMWack.

**Sounds** Text explanation of Instrument demo sound file format.

**Speed** Text file, refutation of Amiga's CPU and custom chip speed.

**WackCmds** Text tips on using Wack.

## •AMICUS Disk 2•

**C programs**

**alib** AmigaDOS object library manager. C programs in C source code and executable.

**ar** Text file archive program, C program in C source code and executable.

**fixobj** Auto-chops executable files. C program in C source code and executable.

**shell** Simple CLI shell, S-E. C program in C source code and executable.

**sq, usq** File compression programs, C program in C source code and executable.

**YachtC** A familiar game, C program in C source code and executable.

**Make** A simple 'make' programming utility, C program in C source code and executable.

**Emacs** An early version of the Amiga text editor, C program in C source code and executable. Documentation provided.

**Assembler programs**

**bsearch.asm** Binary search code. Assembler program.

**qsort.asm** UNIX compatible qsort() function, source and C test program. Assembler program.

**setjmp.asm** setjmp() code for Lattice 3.02. Assembler program.

**SVprintf** UNIX system V compatible printf(). Assembler program.

**trees.o** UNIX compatible tree() function, Assembler program. Object file and documentation provided.

**Tutorials**

**Animate** Tutorial describes animation algorithms, by John Draper.

**Gadgets** Tutorial on gadgets from J. Draper.

**Menus** Learn about Intuition menus, a John Draper Amiga Tutorial.

## •AMICUS Disk 3•

**C programs**

**Xref** A C cross-reference gen., C program in C source code and executable.

**6bitcolor** Extra-half-bright chip gfx demo, C program in C source code and executable.

**Chop** Truncate (chop) files down to size, C program in C source code and executable.

**Cleanup** Removes strange characters from text files. C program.

**CR2LF** Converts carriage returns to line feeds in Amiga files, C program.

**Error** Adds compile errors to a C file, C program in C source code.

**Hello** Window ex. from the RKM, C program in C source code.

**Kermit** Generic Kermit implementation, flakey, no terminal mode, C program. source code and executable.

**Scales** Sound demo plays scales, C program in C source code and executable program.

**SkewB** Rubik cube demo in hi-res colors, C program in C source code and executable.

**AmigaBASIC pros(dir)**

**Automat** Cellular automata simulation. AmigaBASIC Program.

**CrazyEight** Card game based on the children's traditional favorite.

**Graph** Function graphing programs. AmigaBASIC Program.

**WitchingHour** A game. AmigaBASIC Program.

**ABasiC programs**

**Casino** Games of poker, blackjack, dice, and craps. ABasiC program.

**Gomoku** Also known as 'othello'. ABasiC program.

**Sabotage** Sort of an adventure game. ABasiC program.

**Executable programs**

**Disassem** A 68000 disassembler, Executable program.

**DpSlide** Shows a given set of IFF pictures, Executable program.

**Arrange** A text formatting program, Executable program.

**Assembler programs:**

**Argoterm** Terminal program with speech and Xmodem, Assembler program. source code and executable program.

•AMICUS Disk 4•

AMICUS Disk number 4 contains files from the original Amiga Technical BBS. Note that some of these files are old, and refer to older versions of the operating system. These files came from the Sun system that served as Amiga technical support HQ for most of 1985. These files do not carry a warranty, and are for educational purposes only. Of course, that's not to say they do not work.

**image.ed** Complete and nearly up-to-date C source to 'image.ed', an early version of the Icon Editor. This is a little flakey, but compiles and runs.

**Intuition demo** An Intuition demo, in full C source, including files: demomenu.c, demomenu2.c, demomenu3.c, getascii.c, idemo.c, idemo.guide, idemo.make, idemoall.h, nodos.c, and txwrite.c

**addmem.c** Add external memory to the system. C program.

**bobtest.c** Example of BOB use. C program.

**consoleIO.c** Console I/O example. C program.

**creaport.c** Create and delete ports. C program.

**creastdi.c** Create standard I/O requests. C program.

**creatask.c** Creating task examples. C program.

**diskio.c** Example of track read and write. C program.

**dotty.c** Source to the 'dotty window' demo. C program.

**dualplay.c** Dual playfield example. C program.

**flood.c** Flood fill example. C program.

**freemap.c** Old version of 'freemap'. C program.

**gettools.c** Tools for VSprites and BOBs. C program.

**gfxmem.c** Graphic memory usage indicator. C program.

**hello.c** Window example from RKM. C program.

**inputdev.c** Adding an input handler to the input stream. C program.

**joystick.c** Reading the joystick. C program.

**keybd.c** Direct keyboard reading. C program.

**layertes.c** Layers examples. C program.

**mousport.c** Test mouse port. C program.

**ownlib.c** Example of making your own library in C with Lattice. C program.

**ownlib.asm** Example of making your own library in Assembly with Lattice. C program.

**paratest.c** tests parallel port commands. C program.

**seritest.c** tests serial port commands. C program.

**serisamp.c** Example of serial port use. C program.

**prinintr.c** Sample printer interface code. C program.

**prtbase.h** Printer device definitions. C program.

**regintes.c** Region test program. C program.

**setlace.c** Source to interlace on/off program. C program.

**setparallel.c** Set the attributes of the parallel port. C program.

**SetSerial.c** Set the attributes (parity, data bits) of the serial port. C program.

**singplay.c** Single playfield example. C program.

**speechtoy.c** Source to narrator and phonetics demo. C program.

**timedely.c** sSimple timer demo. C program.  
**timer.c** Exec support timer functions. C program.  
**timrstuf.c** More exec support timer functions. C program.  
**WhichFont.c** loads and displays all available system fonts process.i and prtbase.i assembler include files. C program.  
**autorqstr.txt** Warnings of deadlocks with auto requesters. C program.  
**consoleIO.txt** Copy of the RKM console I/O chapter. C program.  
**diskfont.txt** Warning of disk font loading bug. C program.  
**fullfunc.txt** List of #defines, macros, functions. C program.  
**inputdev.txt** Preliminary copy of the input device chapter. C program.  
**License** Text, License information on Workbench distribution license.  
**printer** Printer pre-release copy of the chapter on printer drivers, from RKM 1.1.  
**v11fd.txt** 'diff' of .fd file changes from version 1.0 to 1.1.  
**v28v1.diff** 'diff' of include file changes from version 28 to 1.0.

## •AMICUS Disk 5•

Files from the Amiga Link /Amiga Information Network. Note that some of these files are old, and refer to older versions of the operating system. These files are from Amiga Link. For a time, Commodore supported Amiga Link, aka AIN, for online developer technical support. It was only up and running for several weeks. These files do not carry a warranty, and are for educational purposes only. Of course, that's not to say they don't work.  
**menudemo** A demo of Intuition menus called 'menudemo', in C source. C program.  
**whereis.c** Find a file searching all subdirectories. C program.  
**bobtest.c** BOB programming example. C program.  
**sweep.c** Sound synthesis example. C program.  
**Assembler files**  
**mydev.asm** Sample device driver. Assembler file.  
**mylib.asm** Sample library example. Assembler file.  
**mylib.i**  
**mydev.i**  
**asmstupp.i**  
**macros.i** Assembler include files.  
**Texts**  
**amigatricks** Text, tips on CLI commands.  
**extdisk** Text, external disk specification.  
**gameport** Text, game port spec.  
**parallel** Text, parallel port spec.  
**serial** Text, serial port spec.  
**v1.1update** Text. list of new features in version 1.1.  
**v1.1h.txt** Text, 'diff' of include file changes from version 1.0 to 1.1.  
**Printer driver** Text files for building your own printer drivers, including dospecial.c, epsondata.c, init.asm, printer.c, printer.link, printertag.asm, render.c, and wait.asm.  
**IFF specs** This disk does contain a number of files describing the IFF specification. These are not the latest and greatest files, but remain here for historical purposes. They include text files and C source examples. The latest IFF spec is elsewhere in this library.

## •AMICUS Disk 6•

**DPSlide** Program, can view a given series of IFF pictures.  
**SlideShow** A 'showpic' program which can view each IFF picture file at the click of an icon.  
**ArticFox.pic** A IFF screen from ArticFox.  
**Degas.pic** A Degas dancer IFF screen.  
**Degas2.pic** A Degas dancer.IFF screen.  
**Degas3.pic** A Degas dancer.  
**Degas4.pic** A Degas dancer.

**EAguy.pic** The guys at Electronic Arts.  
**mandrill** A gorilla in an IFF picture.  
**Horses.pic** Horses in an IFF picture.  
**KingTut** King Tut in an IFF picture.  
**Lighthouse** A lighthouse in an IFF picture.  
**MarbleMadness.pic** A screen from Marble Madness.  
**Martian** The Bugs Bunny Martian in an IFF picture.  
**MovieGuys.pic** A still from an old movie in an IFF picture.  
**MTV** The Dire Straits moving company in an IFF picture.  
**PinballConstSet.pic** A screen from Pinball Construction Set in an IFF picture.  
**Newscastr.pic** A TV newscaster in an IFF picture.  
**PaintCan.pic** The PaintCan in an IFF picture.  
**WorldMap** A world map in an IFF picture.  
**Porsche** A Porsche in an IFF picture.  
**ShuttlePatch** A shuttle mission patch in an IFF picture.  
**T.Rex** A tyrannosaurus rex in an IFF picture.  
**PolarView** A planet view in an IFF picture.  
**VisaCard** A VISA card in an IFF picture.  
**TenSpeed** A ten-speed in an IFF picture.  
**Saturn** An IFF picture.  
**Starflight** An IFF picture.  
**Uranus** An IFF picture.  
**Venus** An IFF picture.

## •AMICUS Disk 7•

AMICUS Disk 7 contains the Digi-View HAM demo picture disk. These are pictures from the Digi-View hold-and-modify video digitizer.  
**LollypopLady** Famous Lady with lollypop picture which caused so many people to purchase the Amiga for its graphics. An IFF picture.  
**Child** Toddler digitized forever in Amiga history, an IFF picture.  
**ComputerBlocks** An IFF image of multicolored computer composed shapes as blocks.  
**Dozer** An IFF picture of a bulldozer.  
**Horse&Buggy** Hanson cab in an IFF picture.  
**OldMan** Shades of Santa digitized in an IFF picture.  
**PeopleCable** An IFF picture resembling an old BYTE Magazine cover.  
**Robert** Grey scale digitization of a startled young man, an IFF picture.  
**Robot** IFF picture of toy robot.  
**StatueOfLiberty** Evening view of the great lady's profile in an IFF picture.  
**Webster** The dictionary page in an IFF picture.  
**Woman&Pencil** Famous IFF image of a woman holding a pencil (seen in early Digi-View™ advertisements).  
**SaveILBM** 'seelbm' program, to turn any screen into an IFF picture.  
**ShowILBM** Shows ILBM images.  
**ShowHAM** Shows HAM images.

## •AMICUS Disk 8•

**Browse** View text files on a disk, using menus in source code and executable, a C program.  
**Crunch** Removes comments and white space from C files, in source code and as an executable, a C program.  
**IconExec** EXECUTE a series of commands from Workbench AC program in source code and as an executable.  
**PDScreen Dump** C program which winds Rastport of highest screen to printer.  
**SetAlternate** C program which sets a second image for an icon, when clicked once. In C source code and as an executable program.  
**SetWindow** C program makes windows for a CLI program to run under Workbench in source code and as an executable.

**SmallClock** A small digital clock in a window menu bar as a C program.  
**Scripper** Perry Kivolowitz's C program screen printer from ACV1.4 in source code and executable code.  
**AmigaBASIC program**  
**AddressBook** A simple address book database as an AmigaBASIC Program.  
**Ball** Draws a ball, an AmigaBASIC Program.  
**Cload** An AmigaBASIC Program to convert Compuserve hex files to binary. Source code and documentation included.  
**Clue** The game, Intuition driven, an AmigaBASIC Program.  
**ColorArt** Art drawing program in AmigaBASIC.  
**DeluxeDraw** The drawing program from AC v1.3 in AmigaBASIC.  
**Eliza** Legendary conversational computer psychologist in AmigaBASIC.  
**Othello** An AmigaBASIC Program of the oriental game known as 'go'.  
**RatMaze** 3D rat maze game in AmigaBASIC.  
**ROR** AmigaBASIC boggling graphics demo.  
**Shuttle** AmigaBASIC program draws 3D pictures of the space shuttle.  
**Spelling** simple spelling program in AmigaBASIC.  
**YoYo** weird zero-gravity yo-yo demo, tracks yo-yo to the mouse, in AmigaBASIC.  
**Executable programs**  
**3DCube** Modula-2 demo of a rotating cube.  
**AltIcon** Sets a second icon image, displayed when the icon is clicked.  
**AmigaSpell** A slow but simple spell checker. Executable program.  
**arc** The ARC file compression program, a must-have for telecommunications. Executable program.  
**Bertrand** A graphics demo.  
**disksalvage** A program to rescue trashed disks. Executable program.  
**KwikCopy** A quick but nasty disk copy program: It ignores errors. Executable program.  
**LibDir** This program lists hunks in an object file. Executable program and documentation.  
**SaveILBM** This program saves any screen as an IFF pic. Executable program and documentation.  
**ScreenDump** A Shareware screen dump program.  
**StarTerm** Version 2.0, terminal program with Xmodem.  
**Texts**  
**LatticeMain** Text file tips on fixing \_main.c in Lattice.  
**GDiskDrive** Text file instructions to make your own 5 1/4 drive.  
**GuruMed** Text file explains the Guru numbers. This is an older file.  
**Lat3.03bugs** Text file lists bugs of Lattice C version 3.03.  
**MForgeRev** Text of a user's view of the MicroForge hard drive.  
**PrintSpooler** EXECUTE-based print spool program.  
**.BMAP files**  
These are the necessary links between AmigaBASIC and the system libraries. To take advantage of the Amiga's capabilities in BASIC, you need these files. BMAPs are included for :

clist.bmap  
console.bmap  
diskfont.bmap  
exec.bmap  
graphics.bmap  
icon.bmap  
intuition.bmap  
layers.bmap  
mathfpp.bmap  
mathieeedoubas.bmap  
mathieeesingbas.bmap  
mathtrans.bmap  
potgo.bmap  
timer.bmap  
translator.bmap

## •AMICUS Disk 9•

**AmigaBASIC Programs**  
**FlightSim** A simple flight simulator program in AmigaBASIC.  
**HuePalette** An AmigaBASIC program which explains Hue, Saturation, & Intensity.  
**Requester** A requester subroutine for use in your AmigaBASIC programs.  
**ScrollDemo** Demonstrates the text scrolling capabilities of AmigaBASIC.  
**Synthesizer** A sound program in AmigaBASIC.  
**WorldMap** An AmigaBASIC program which draws a map of the world.  
**Executable programs:**  
**Boing!** Boing! demo, with selectable speed. Executable program.  
**Brush2C** Brush2C converts an IFF brush to C data instructions, initialization code. Executable program.  
**Brush2Icon** Brush2Icon converts an IFF brush to an icon. Executable program.  
**Dazzle** A Graphics demonstration which produces patterns based on mouse movements. Executable program.  
**DeciGEL** An assembler program for stopping 68010 errors. In C source code and executable program. Documentation provided.  
**Klock** A menu-bar clock and date display. Executable program.  
**Life** The game of Life. Executable program.  
**TimeSet** An Intuition-based way to set the time & date.  
**MEMacs** Another Emacs, more oriented to word processing. In C source code and executable program, and documentation provided.  
**MyCLI** A CLI shell, works without the Workbench. In C source code and executable. Documentation provided.  
**Texts:**  
**FnctnKeys** Text file explains how to read function keys from AmigaBASIC.  
**HackerSLN** Text file explains how to win the game 'hacker'.  
**Ist68010** Text guide to installing a 68010 in your Amiga.  
**PrinterTip** A text file instruction for sending escape sequences to your printer.  
**StartupTip** Text file tips on setting up your startup-sequence file.  
**XfrmReview** Text file list of Transformer programs that work.  
**Printer Drivers**  
**Canon PJ-1080A** Printer driver for the Canon PJ-1080A.  
**C Itoh Prowriter** Printer driver for the C Itoh Prowriter.  
**Epson** An improved Epson driver that eliminates streaking.  
**Epson LQ-800** Printer driver for the Epson LQ-800.  
**Gemini Star-10** Printer driver for the Gemini Star-10.  
**NEC 8025A** Printer driver for the NEC 8025A.  
**Okidata ML-92** Printer driver for the Okidata ML-92.  
**Panasonic KX-P10xx** Printer driver for the anasonic KX-P10xx family of printers.  
**Smith-Corona D300** Printer driver for the Smith-Corona D300.  
**Install Drivers** A document describing the installation process for printer drivers.

## •AMICUS Disk 10•

**Instrument sound demos**  
AMICUS Disk 10 is an icon-driven Instrument sound demonstration, circulated to many dealers. It includes the sounds of an acoustic guitar, an alarm, a banjo, a bass guitar, a boink, a calliope, a car horn, claves, water drip, electric guitar, a flute, a harp arpeggio, a kickdrum, a marimba, a organ minor chord, people talking, pigs, a pipe organ, a Rhodes piano, a saxophone, a sitar, a snare drum, a steel drum, bells, a vibraphone, a violin, a wailing guitar, a horse whinny, and a whistle.

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## \*AMICUS Disk 11\*

### C programs

**dirutil** Intuition-based, CLI replacement manager executable as well as source code in C.

**cpri** cpri shows and adjusts priority of CLI processes in C source code and executable.

**ps** ps shows info on CLI processes, in C source code and as an executable.

**Vidtext** Vidtext displays Compuserve RLE pics in source code and as an executable.

### AmigaBASIC programs

**pointerEd** A pointer and sprite editor program in AmigaBASIC.

**optimize** An optimization example from an AC article, in AmigaBASIC.

**calendar** A large, animated calendar, diary and date book program in AmigaBASIC.

**amortize** Loan amortizations program in AmigaBASIC.

**brushtobOB** Converts small IFF brushes to AmigaBASIC BOB.

**OBJECTS**, an AmigaBASIC program. grids An AmigaBASIC program which will draw and play waveforms.

**hilbert** An AmigaBASIC that draws Hilbert curves.

**madlib** A mad lib story generator in AmigaBASIC.

**mailtalk** A talking mailing list program in AmigaBASIC.

**meadows3D** A 3D graphics program, from an AC™ article, in AmigaBASIC.

**mousetrack** A mouse tracking example in hires mode in AmigaBASIC.

**slot** A slot machine game written in AmigaBASIC.

**tictactoe** The classic game written in AmigaBASIC.

**switch** A pachinko-like game written in AmigaBASIC.

**weird** A program written in AmigaBASIC that makes strange sounds.

**Executable programs**

**cp** A UNIX-like copy command. Executable program.

**cls** A screen clear program. Executable program and source code.

**Diff** A UNIX-like stream editor which uses 'diff' output to fix files.

**pm** A chart recorder performances indicator.

**Assembler programs**

**cls** A screen clear and CLI arguments example in Assembler.

**Modula-2** trails a moving-worm graphics demo in Modula-2.

**caseconvert** Modula-2 program which converts Modula-2 keywords to uppercase.

**SimpleReq** An example of a custom requester from Modula-2.

**Breshehan** A Forth program which produces a Breshehan circle algorithm example.

**Analyze Templates** 12 templates for the spreadsheet Analyze.

**ConvertDoodle** Converts Commodore 64 Doodle files into Amiga format.

**ConvertKoala** Converts Commodore 64 Koala files into Amiga format.

**ConvertPrintShop** Converts Commodore 64 PrintShop files into Amiga format.

## \*AMICUS Disk 12\*

### Executable programs

**blink** 'alink' compatible linker, but faster. Executable program and documentation.

**clean** Executable program, spins the disk for disk cleaners. Documentation included.

**epsonset** Executable program that sends Epson settings to PAR from menu. Documentation included.

**showbig** Executable program which will view hi-res pics in low-res superbmap. Documentation included.

**speaktime** Speaking program which will tell the time. Executable program and documentation.

## undelete Executable program

undeletes a file. Documentation included.

**cnvapldhm** Executable program that converts Apple ][ low, medium and high res pictures to IFF. Documentation included.

**menuEd** A menu editor that produces C code for menus. Executable program and documentation.

**quick** A quick disk-to-disk nibble copier. Executable program and documentation.

**quickEA** Program copies Electronic Arts disks, removes protection. Executable program and documentation.

**txed 1.3** A demo of text editor from Microsmiths. Executable program and documentation.

**C programs**

**spin3** C program of rotating blocks as a graphics demo. In C source code and executable. Documentation included.

**popcli** A C program that allows you to start a new CLI at the press of a button, like Sidekick. In C source code and executable. Documentation included.

**vsprite** VSsprite example C code from Commodore, S-E-D.

**AmigaBBS** AmigaBASIC bulletin board C program.

**Assembler programs**

**star10** Assembler program, makes star fields like Star Trek intro. In C source code and executable. Documentation included.

**Mount Mandelbrot** A 3D view of a Mandelbrot set.

**Star Destroyer** A hi-res picture of the Empire's Star Wars starship.

**Robot** A picture of a robot arm grabbing a cylinder.

**vendors** Older text file of Amiga vendors, names, addresses.

**cardco** Text file of fixes to early Cardco memory boards.

**include** Text file cross-reference to C include files.

**mindwalker** Text clues to playing the game well.

**slideshow** Instructional text to produce your own slideshows from the Kaleidoscope disk.

## \*AMICUS Disk 13\*

### AmigaBASIC programs

Routines from Carolyn Scheppner of CBM Tech Support, to read and display IFF pictures from AmigaBASIC. With documentation.

Also included is a program to do screen prints in AmigaBASIC, and the newest BMAP files, with a corrected ConvertFD program. With example pictures, and the SaveLBM screen capture program.

Routines to load and play FutureSound and IFF sound files from AmigaBASIC, by John Foust for Applied Visions. With documentation and C and assembler source for writing your own libraries, and interfacing C to assembler in libraries. With example sound.

**Executable programs**

**gravity** Sci Amer Jan 86 gravitation graphic simulation. In C source code and executable. Documentation included.

**MIDI** Make your own MIDI instrument interface with documentation and a hi-res schematic picture.

## \*AMICUS Disk 14\*

Several programs from Amazing Computing issues:

**Dan Kary's** C structure index program. In C source code and executable. Documentation included.

**AmigaBASIC programs**

**BMAP Reader** by Tim Jones.

**IFFBrush2BOB** by Mike Swinger.

**AutoRequester** example.

**DOSHelper** Windowed help system for CLI commands. In C source code and executable. Documentation included.

## PETrans translates PET ASCII files to

ASCII files. In C source code and executable. Documentation included.

**C Squared** Graphics program from Scientific American, Sept 86. In C source code and executable. Documentation included.

**clrf** adds or removes carriage returns from files. In C source code and executable. Documentation included.

**dpdecode** decrypts Deluxe Paint, demo.

**ves copy** protection. Executable program and documentation.

**queryWB** asks Yes or No from the user returns exit code. Source code and executable program.

**vc** VisiCalc type spreadsheet, no mouse control. Executable program and documentation.

**view** views text files with window and slider gadget. Executable program and documentation.

**Oing, Sproing, yaBoing, Zoing** are sprite-based Boing! style demos. dIn C source code and executable. Documentation included.

**CLIClock sClock, wClock** are window border clocks. Source code, executable program, and documentation.

**Texts** An article on long-persistence phosphor monitors, tips on making brushes of odd shapes in Deluxe Paint, and recommendations on icon interfaces from Commodore-Amiga.

## \*AMICUS Disk 15\*

### C programs

**pr** A file printing utility, which can print files in the background, and with line numbers and control character filtering.

**fm** displays a chart of the blocks allocated on a disk.

**Ask** questions an 'execute' file, returns an error code to control.

**Executable programs**

**Stat** An enhanced version of AmigaDOS 'status' command.

**Dissolve** Random-dot dissolve demo displays IFF picture slowly, dot by dot, in a random fashion.

**PopCLIZ** Invoke new CLI window at the press of a key.

**Executable programs**

**Form** File formatting program through the printer driver to select print styles.

**DiskCat** catalogs disks, maintains, sorts, merges lists of disk files.

**PSound** SunRize Industries' sampled sound editor & recorder.

**Iconmaker** makes icons for most programs.

**Fractals** draws great fractal seascapes and mountainscapes.

**3D Breakout** 3D glasses, create breakout in a new dimension.

**AmigaMonitor** displays lists of open files, memory use, tasks, devices and ports in use.

**Cosmoroids** A version of 'asteroids' for the Amiga.

**Sizzlers** High resolution graphics demo written in Modula 2.

**Texts**

**ansi.txt** explains escape sequences the CON: device responds to.

**FKey** includes template for making paper to sit in the tray at the top of the Amiga keyboard.

**Spawn** Programmer's document from Commodore Amiga, describes ways to use the Amiga's multitasking capabilities in your own programs.

**AmigaBASIC programs**

**Grids** Draw sound waveforms, and hear them played.

**Light** A version of the Tron light-cycle video game.

**MigaSol** A game of solitaire.

**Stats** Program to calculate batting averages.

**Money** "Try to grab all the bags of money that you can."

AMICUS 15 also includes two beautiful IFF pictures, of the enemy walkers from the ice planet in Star Wars, and a picture of a cheetah.

## \*AMICUS Disk 16\*

**juggler** "juggler" is a demo by Eric Graham. A robot juggler bouncing three mirrored balls, with sound effects. Twenty-four frames of HAM animation are flipped quickly to produce this image. You control the speed of the juggling. The author's documentation hints that this program might someday be available as a product.

**IFF pictures** parodies of the covers of Amiga World and Amazing Computing magazines.

**C programs**

**Inputhandler** Example of making an input handler.

**FileZap3** Binary file editing program.

**ShowPrint** displays IFF picture, and prints it.

**Gen** Program indexes and retrieves C structures and variables declared in the Amiga include file system.

**Executable Programs**

**FixHunk2** repairs an executable program file for expanded memory.

**ms2smus** converts Music Studio files to IFF standard 'SMUS' format. I heard this program might have a few bugs, especially in regards to very long songs, but it works in most cases.

**Missile** Amiga version of the 'Missile Command' video game.

AMICUS Disk 16 contains several files of scenarios for Amiga Flight Simulator II. By putting one of these seven files on a blank disk, and inserting it in the drive after performing a special command. In this game, a number of interesting locations are preset into the Flight Simulator program. For example, one scenario places your plane on Alcatraz, while another puts you in Central Park.

## \*AMICUS Disk 17\*

Telecommunications disk which contains six terminal programs.

**Comm V1.33** Term prog. with Xmodem, Wxmodem.

**ATerm V7.2** Term prog. includes Super Kermit.

**VT-100 V2.6** Dave Wecker's VT-100 emulator with Xmodem, Kermit, and scripting.

**Amiga Kermit** V4D(060) port of the UNIX C-Kermit.

**VTek V2.3.1** Tektronix graphics terminal emulator based on the VT-100 prog. V2.3 and contains latest 'arc' file compression.

**AmigaHost** V0.9 for Compuserve. Includes RLE graphics abilities & CIS-B file transfer protocol.

**FixHunk** Expansion memory necessity.

**FixObj** removes garbage characters from modem received files.

**Txt** filters text files from other systems to be read by the Amiga E.C.

**addmem** Executable version for use with mem expansion article in AC v2.1.

**arc** File documentation and a BASIC tutorial on un 'arc'ing files.

**arcrc** for making "arc" files E.C.

## \*AMICUS Disk 18\*

**Logo** Amiga version of the popular computer language, with example programs. Executable program and documentation.

**Tv\*Text** Demo version of the TV\*Text character generator.

**PageSetter** Freely distributable versions of the updated PagePrint and PageIFF programs for the PageSetter desktop publishing package.

**FullWindow** Resizes any CLI window using only CLI commands. Executable program and documentation.

**Life3d** 3D version of Conway's LIFE program. Executable program and documentation.

**Defdisk** CLI utility to re-assign a new Workbench disk. In C source code and executable. Documentation included.

**Calendar.WKS** Lotus-compatible worksheet that makes calendars.



**SetKey** Demo of keyboard key re-programmer, with IFF picture to make function key labels.

**VPG** Video pattern generator for aligning monitors. Executable program and documentation.

**HP-10C** Hewlett-Packard-like calculator. Executable program and documentation.

**SetPrefs** Change the Preferences settings on the fly, in C source code, executable program and documentation.

**StarProbe** Program studies stellar evolution. C source included for Amiga and MS-DOS. In C source code, executable, and documentation.

**ROT** C version of Colin French's AmigaBASIC ROT program from Amazing Computing. ROT edits and displays polygons to create three dimensional objects. Up to 24 frames of animation can be created and displayed. E-D

**Scat** Like Ing, windows on screen run away from the mouse. Executable program and documentation.

**DK** Decays the CLI window into dust, in Modula 2. In C source code, executable program and documentation.

**DropShadow2** Adds layered shadows to Workbench windows. Executable program and documentation.

## \*AMICUS Disk 19\*

AMICUS Disk 19 contains several programs from Amazing Computing. The IFF pictures on this disk include the Amiga Wake party T-shirt logo, a sixteen-color hi-res image of Andy Griffith, and five Amiga Live! pictures from the Amazing Stories episode which featured the Amiga.

**Solve** Linear equation solver in assembly language. Source code, executable program and documentation.

**Gadgets** Bryan Catley's AmigaBASIC tutorial. Source code and documentation.

**Household** Bryan Catley's AmigaBASIC household inventory program. In C source code and documentation.

**Waveform** Jim Shields' Waveform Workshop in AmigaBASIC. In C source code and documentation.

**DiskLib** John Kennan's AmigaBASIC disk librarian program. In C source code and documentation.

**Subscripts** Ivan Smith's AmigaBASIC subscript example. In C source code and documentation.

**String, Boolean** C programs and executables for Harriet Maybeck Tolly's Intuition tutorials. In C source code, executable program, and documentation.

**Skinny** C Bob Riemersma's example for making small C programs. Source code, executable program, and documentation.

**COMAL.h** Make C look like COMAL header file. In C source code, and documentation.

**EmacsKey** Makes Emacs function key definitions by Greg Douglas. In C source code, and documentation.

**AMon 1.1** Snoop on system resource use. Executable program and documentation.

**BTE** Bard's Tale character editor. Executable program and documentation.

**Size** CLI program shows the size of a given set of files. Executable program and documentation.

**WinSize** CLI window utility resizes current window. In C source code, executable program, and documentation.

## \*AMICUS Disk 20\*

**Compactor, Decoder** Steve Michel AmigaBASIC tools. In C source code and documentation.

**BobEd** BOB and sprite editor written in C. In C source code, executable program and documentation.

**SpriteMasterII** Sprite editor and animator by Brad Kiefer. Executable program and documentation.

**BlitLab** Blitter chip exploration C program by Tomas Rokicki. In C source code, executable program and documentation.

**FFPic** Image processing program by Bob Bush loads and saves IFF images, changes them with several techniques. Executable program and documentation.

**Bankn** Complete home banking program, balance your checkbook!. Executable program and documentation.

## \*AMICUS Disk 21\*

**Target** Makes each mouse click sound like a gunshot. In C source code, executable program and documentation.

**Sand** Simple game of sand that follows the mouse pointer. Executable program and documentation.

**PropGadget** Harriet Maybeck Tolly's proportional gadget example. Source code and executable.

**EHB** Checks to see if you have extra-half-bright graphics. In C source code, executable program and documentation.

**Piano** Simple piano sound program.

**CelScripts** Makes cel animation scripts for Aegis Animator, in AmigaBASIC.

AMICUS Disk 21 also contains electronic catalogs for AMICUS disks 1 to 20 and Fish disks 1 to 80. They are viewed with the DiskCat program, included here.

## \*AMICUS Disk 22\*

**Cycles** Light cycle game. Executable program and documentation.

**Show, PrintII** Views and prints IFF pictures, including larger than screen.

**PrtDrvGen2.3** Latest version of a printer driver generator.

**Animations** VideoScape animations of planes and being ball.

**Garden** makes fractal gardenscapes.

**BASICSorts** Examples of binary search and insertion sort in AmigaBASIC.

## \*AMICUS Disk 23\*

An AMICUS disk completely dedicated to music on the Amiga. This disk contains two music players, songs, instruments, and players to bring the thrill of playing "Big Sound" on your Amiga.

**Instruments** A collection of 25 instruments for playing and creating music. The collection ranges from Cannon to Marimba.

**List INSTR** Program to list the instruments DMCS will not load as well as list the origins for any instrument.

**Music** A collection of 14 Classical pieces.

**1812Overture** The 16 minute classical feature complete with Cannon!

**Three Amiga Music Players:**

- SMUSPlay
- MusicCraft2SMUS
- MusicStudio2SMUS

## \*AMICUS Disk 24\*

**Sectorama** A disk sector editor for any AmigaDOS file-structured device, recover files from a trashed hard disk. By David Joiner of Microllusions.

**Iconize** Reduces the size of IFF images, companion program, Recolor, remaps the palette colors of one picture to use the palette colors of another. Using these programs and a tool to convert IFF brushes to Workbench icons, make icons look like miniatures of the pictures.

**CodeDemo** Modula-2 program converts assembler object files to inline CODE statements. Comes with a screen scrolling example.

**AmiBug** Workbench hack makes the same fly walk across the screen at random intervals. Otherwise, completely harmless.

**BNTTools** Three examples of assembly language code from Bryce Nesbitt:

1. **SetLace**, prog to switch interlace on/off.
2. **Why**, replace AmigaDOS CLI Why
3. **LoadIt**, prog to load a file into memory until a reboot. (Only the most esoteric hackers will find LoadIt useful.)

**Monolace** CLI program resets Preferences to several colors of monochrome & interlace screens. C source is included, works with DisplayPref, a CLI program which displays the current Preferences settings.

**BoingMachine** A ray-traced animation of a perpetual motion Boing-making machine, includes the latest version of the Movie program, which has the ability to play sounds along with the animation. By Ken Offer.

**Daisy** Example of using the translator and narrator devices to make the Amiga talk. It is written in C.

**QuickFlix** Script-driven animation and slideshow program flips through IFF images.

**BMon** System monitor AmigaBASIC program; perform simple manipulations of memory.

**Moose** Random background program, a small window opens with a moose resembling Bullwinkle saying witty phrases user definable.

**DGCS** Deluxe Grocery Construction Set, simple Intuition-based prog for assembling and printing a grocery list.

**The Virus Check** directory holds several programs relating to the software virus that came to the US from pirates in Europe as detailed in Amazing Computing V2.12. Bill Koester's full explanation of the virus code is included. One program checks for the software virus on a Workbench disk; the second program checks for the virus in memory, which could infect other disks.

## \*AMICUS Disk 25\*

**Nemesis** Graphics demo pans through space towards the mythical dark twin of the sun with wonderful music and space graphics.

**The KickPlay** directory holds text that describes several patches to the Kickstart disk. For Amiga 1000 hackers who feel comfortable patching a disk in hexadecimal, KickPlay offers the chance to automatically do an ADDMEM for old expansion memory, as well as the ability to change the picture of the "Insert Workbench" hand. A program is also included for restoring the correct checksum of the Kickstart disk.

**KeyBird** BASIC prog edits keymaps, adjust the Workbench keymaps or create your own.

**8ColorWB** Modifies the Workbench so three bitplanes are used, icons can have eight colors, instead of four, eight-color icons are included. Public domain program "zapicon" or "brush2icon" converts eight-color IFF brushes to icons, to use Deluxe Paint to make icons for this new Workbench.

**BrushIcon** Converts brushes to icons (bizzarr docs).

**Egraph** Graphing prog reads [x,y] values from a file and displays them on the screen, similar to the same-named UNIX program.

**Keep 1.1** Message-managing program for telecommunications, lets you save messages from an online transcript to

another file, understands the message format of the national networks and several types of bulletin board software. Moves through the transcript and save messages.

**Kill.fastdir** Speed up directory access, it creates a small file in each directory on a disk which contains the information about the files, will also remove all the "fastdir" files from each directory. By CLIMATE's authors.

**The LaceWB** program changes between interlace and non-interlace Workbench. Previously, you were forced to reboot after changing Preferences to an interlaced screen. This program flips between the normal and extended screen heights.

**PW Utility** A shareware utility for ProWrite users, changes margin settings and font types.

**Guru** A CLI program, prints out probable causes for Guru mediations; C source included.

**DiskWipe** Latest from Software Distillery, removes files from directories or disk drives, much faster than "delete."

**Snow** AmigaBASIC makes snowflake designs.

**MList** Mailing list database.

**Softballstats** Maintain softball statistics/ team records.

**Dodge** Short Modula-2 program moves the Workbench screen around after a period of time, prevents monitor burn-in.

## \*AMICUS Disk 26\*

**Todor Fay's SoundScape** module code from his Amazing Computing articles. The source to Echo, Chord, TX, and VU is included. The Lattice and Manx C source code is here, along with the executable modules.

**Claz2** Update of prog to convert IFF images to PostScript files for printing on laser printers.

**SDBackup** Hard disk backup prog with Lempel-Ziv compression to reduce the necessary number of disks.

**TCB** Prints information about tasks and processes in the system; assembler source is included.

**FunBut** Lets a function key act like a rapid series of left mouse button events.

**DC** A handy program for people who use an Amiga 1020 5 1/4 inch drive as an AmigaDOS floppy. A Workbench program that sends a DiskChange signal to the operating system: Instead of typing "diskchange dfz:" over and over again, just click on the icon. C source included.

**System config** File makes screen 80 columns wide of text in the Scribble! word processor.

**Dick2RAM** 2 programs to move the Scribble! spelling dictionary to and from the RAM disk.

**Lexical** Analyzes a text file and gives the Gunning-Fog, Flesch, and Kincaid indices which measure readability.

**HexDump** Modula-2 program to display memory locations in hexadecimal.

**Tartan** AmigaBASIC; design Tartan plaids.

**DirMaster** Disk catalog program. BMP plays 8SVX sampled sounds in the background while something else is happening in the Amiga.

**ShowPt** CLI program changes your pointer to a given pointer.

**Mouse Pointers** etc. AMICUS 26 also contains a collection of mouse pointers, & Workbench program to display them.

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Author: John Bushakra

**FFP & IEEE:** An Example of using FFP & IEEE math routines in Modula-2. Author: Steve Faiwizewski

**CAI:** A complete Computer Aided Instruction program with editor written in AmigaBASIC. Author: Paul Castonguay

**Tumblin' Tots:** A complete game written in Assembly language. Save the falling babies in this game. Author: David Ashley

**VGad:** A gadget editor that allows you to easily create gadgets. The program then generates C code that you can use in your own programs.  
Author: Stephen Vermeulen

**MenuEd:** A menu editor that allows you to easily create menus. The program then generates C code that you can use in your own programs.  
Author: David Pehrson

**Bspread:** A powerful spread sheet program written in AmigaBASIC.  
Author: Bryan Cately

### Disk 2 AC V4.3 and V4.4

**Fractals Part I:** An introduction to the basics of fractals with examples in AmigaBASIC, True BASIC, and C.  
Author: Paul Castonguay

**Shared Libraries:** C source and executable code that shows the use of shared libraries. Author: John Baez

**MultiSort:** Sorting and intertask communication in Modula-2.  
Author: Steve Faiwizewski

**Double Playfield:** Shows how to use dual playfields in AmigaBASIC.  
Author: Robert D'Asto

**'881 Math Part I:** Programming the 68881 math coprocessor chip in C.  
Author: Read Predmore

**Args:** Passing arguments to an AmigaBASIC program from the CLI.  
Author: Brian Zupke

### Disk 3 AC V4.5 and V4.6

**Digitized Sound:** Using the Audio device to play digitized sounds in Modula-2. Author: Len A. White

**'881 Math Part II:** Part II of programming the 68881 math coprocessor chip using a fractal sample. Author: Read Predmore

**At Your Request:** Using the system-supplied requestors from AmigaBASIC. Author: John F. Weiderhim

**Insta Sound:** Tapping the Amiga's sound from AmigaBASIC using the Wave command. Author: Greg Stringfellow

**MIDI Out:** A MIDI program that you can expand upon. Written in C.  
Author: Br. Seraphim Winslow

**Diskless Compiler:** Setting up a compiler environment that doesn't need floppies. Author: Chuck Raudonis

### Disk 4 AC V4.7 and V4.8

**Fractals Part II:** Part II on fractals and graphics on the Amiga in AmigaBASIC and True BASIC. Author: Paul Castonguay

**Analog Joysticks:** The code for using analog joysticks on the Amiga. Written in C. Author: David Kinzer

**C Notes:** A small program to search a file for a specific string in C.  
Author: Stephen Kemp

**Better String Gadgets:** How to tap the power of string gadgets in C.  
Author: John Bushakra

**On Your Alert:** Using the system's alerts from AmigaBASIC.  
Author: John F. Wiederhim

**Batch Files:** Executing batch files from AmigaBASIC.  
Author: Mark Aydellotte

**C Notes:** The beginning of a utility program in C. Author: Stephen Kemp

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**Memory Squares:** Test your memory with this AmigaBASIC game.  
Author: Mike Morrison

**High Octane Colors:** Use dithering in AmigaBASIC to get the appearance of many more colors. Author: Robert D'Asto

**Cell Animation:** Using cell animation in Modula-2.  
Author: Nicholas Cirasella

**Improving Graphics:** Improve the way your program looks no matter what screen it opens on. In C. Author: Richard Martin

**Gels in Multi-Forth-Part 3:** The third and final part on using Gels in Forth. Author: John Bushakra

**C Notes V4.9:** Look at a simple utility program in C.  
Author: Stephen Kemp

**1D Cells:** A program that simulates a one-dimensional cellular automata. Author: Russell Wallace

**Colourscope:** A shareware program that shows different graphic designs. Author: Russell Wallace

**ShowILBM:** A program that displays lo-res, hi-res, interlace and HAM IFF pictures. Author: Russell Wallace

**Labyrinth II:** Roll playing text adventure game. Author: Russell Wallace

**Most:** Text file reader that will display one or more files. The program will automatically format the text for you.  
Author: Russell Wallace

**Terminator:** A virus protection program. Author: Russell Wallace

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**Glatt's Gadgets:** Using gadgets in Assembly language. Author: Jeff Glatt

**Function Evaluator:** A program that accepts mathematical functions and evaluates them. Written in C. Author: Randy Finch

**Fractals: Part III:** AmigaBASIC code that shows you how to save/load pictures to disk. Author: Paul Castonguay

**More Requestors:** Using system calls in AmigaBASIC to build requestors. Author: John Wiederhirm

**Multi-Forth:** Implementing the ARP library from Forth. Author: Lonnie A. Watson

**Search Utility:** A file search utility written in C. Author: Stephen Kemp

**Fast Pics:** Re-writing the pixel drawing routine in Assembly language for speed. Author: Scott Steinman

**64 Colors:** Using extra-half-brite mode in AmigaBASIC. Author: Bryan Catley

**Fast Fractals:** A fast fractal program written in C with Assembly language subroutines. Author: Hugo M. H. Lyppens

**Multitasking in Fortran:** All the hard work is done here so you can multitask in Fortran. Author: Jim Locker

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**Leggo My LOGO:** A Logo program that generates a Christmas tree with decorations. Author: Mike Morrison

**Trees and Recursion:** An introduction to binary trees and how to use recursion. Written in C. Author: Forest Arnold

**C Notes:** A look at two data compressing techniques in C. Author: Stephen Kemp

**Animation? BASICally:** Using cell animation with AmigaBASIC. Author: Mike Morrison

**Menu Builder:** A utility to help build menus in your own programs. Written in C. Author: Tony Preston.

**Dual Demo:** How to use dual playfields to make your own arcade games. Written in C. Author: Thomas Eshelman.

**Scanning the Screen:** Part four in the fractals series. This article covers drawing to the screen. In AmigaBASIC and True BASIC. Author: Paul Castonguay.

**C Notes:** Recursive functions in C. Author: Stephen Kemp.

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**Dynamic Memory!:** Flexible string gadget requester using dynamic memory allocation. Author: Randy Finch.

**Call Assembly language from BASIC:** Add speed to your programs with Assembly. Author: Martin F. Combs.

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**Music Titler:** Generates a titler display to accompany the audio on a VCR recording. Author: Brian Zupke

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**Handling Gadget and Mouse IntuiEvents:** More gadgets in Assembly language. Author: Jeff Glatt.

**Super Bitmaps in BASIC:** Holding a graphics display larger than the monitor screen. Author: Jason Cahill

**Rounding Off Your Numbers:** Programming routines to make rounding your numbers a little easier. Author: Sedgwick Simons

**Mouse Gadgets:** Faster BASIC mouse input. Author: Michael Fahrion

**Print Utility:** A homemade print utility, with some extra added features. Author: Brian Zupke

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**Tree Traversal & Tree Search:** Two common methods for traversing trees. Author: Forest W. Arnold

**Exceptional Conduct:** A quick response to user requests, achieved through efficient program logic. Author: Mark Cashman.

**Getting to the Point:** Custom Intuition pointers in AmigaBASIC. Author: Robert D'Asto

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**C Notes From the C Group 5.8 & 5.10:** Functions supporting doubly linked lists, and a program that will examine an archive file and remove any files that have been extracted. Author: Stephen Kemp

**Time Out!:** Accessing the Amiga's system timer device via Modula-2. Author: Mark Cashman

**Stock-Portfolio:** A program to organize and track investments, music libraries, mailing lists, etc. in AmigaBASIC. Author: G. L. Penrose.

**CygCC:** An AREXX programming tutorial. Author: Duncan Thomson.

**Programming in C on a Floppy System:** Begin to develop programs in C with just one megabyte of RAM. Author: Paul Miller.

**Koch Flakes:** Using the preprocessor to organize your programming. Author: Paul Castonguay

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**A Shared Library for Matrix Manipulations:** Creating a shared library can be easy. Author: Randy Finch.

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**Practal Modula-2 Buffered Disk I/O:** Buffer file input and output to improve disk accessing speed. Author: Michal Todorovic.

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**Selecting and Setting Gadgets in C:** The third and final installment in the "Crunchy Frog" approach to programming. Author: Jim Fiore

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**Fancy Numbers:** This helps you save overhead by skipping the translator library. Author: Lynwood Cowan

**C Notes 6.7:** Adding functions to handle file pattern processing. Author: Stephen Kemp

**Message Logger:** A time log that keeps track of when programs are run. Author: Brian Zupke

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 "Date Virus", by J. Foust  
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### System Requirements: CPU / RAM / Disk Drives / Operating System / Other


### Product Description: (50-75 Words)

Please be descriptive—avoid hype language\* Attach additional sheets if necessary.


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# User's Groups

## \* ALASKA \*

**Amiga Users Group of Alaska**  
AUGA  
**Meeting Place:** ARCO Tower, 7th and G Sts.  
Anchorage  
**When:** 2nd Wed, 7 PM  
**Interests:** Amiga  
Contact: John Olson  
(907) 345-0383  
(907) 337-4136 BBS  
**Mailing address:**  
P.O. Box 211511  
Anchorage, AK 99521-1511

## \* ALABAMA \*

**Birmingham Commodore Comp Club**  
**Meeting Place:** UAB (room 153)  
901 14th Street, South Birmingham  
**When:** 2nd & 4th Sun, 2 PM  
**Interests:** Amiga/Commodore  
Contact: Rusty Hargett  
(205) 854-5172 (after 6PM)

**Commodore Amiga Society of Montgomery**  
CASM  
**Meeting Place:** First Alabama Bank  
**When:** 3rd Sat, 9 AM  
**Interests:** Amiga  
Contact: Steve Winkler  
(205) 281-7392

**Coosa Valley Commodore Club**  
**Meeting Place:** Garden State Community  
College Technical Division  
Jarvis Hall, Gadsden  
**When:** 1st Thur, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Tommy Robertson  
(205) 549-0908

**Hacks**  
**Meeting Place:** West Lawn Middle School  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Raymond Patterson  
(205) 883-8398  
**Mailing address:**  
P.O. Box 14356  
Huntsville, AL 35815

**Scottsboro Commodore UG**  
**Meeting Place:** Page School-Lunchroom  
**When:** 2nd Tue  
**Interests:** Amiga/Commodore  
Contact: Richard Radon  
(205) 574-1830  
**Mailing address:**  
Rte. 5  
P.O. Box 255  
Scottsboro, AL 35768

## \* ARIZONA \*

**AMAZI**  
**Meeting Place:** Glendale Public Library, 5959  
W. Brown St.  
Glendale, AZ  
**When:** 3rd Thur, 7-8:30 PM  
**Interests:** Amiga  
Contact: Mel Elliot  
(602) 931-1117  
**Mailing address:**  
P.O. Box 82371  
Phoenix, AZ 85071

**Arizona Amiga User Group**  
AAUG  
**Meeting Place:** Pyle Adult Recreation Center  
Tempe  
**When:** 2nd Fri, 7 PM  
**Interests:** Amiga  
Contact: Myron Lieberman or Stan Skirvin  
(602) 967-4054  
(602) 948-2515  
**Mailing address:**  
P.O. Box 907  
Tempe, AZ 85281

**Catalina Commodore Computer Club**  
CCCC  
**Meeting Place:** Madonna Hall, 1947 E. Adams,  
Tucson  
**When:** 3rd Sat, 10 AM  
**Interests:** Amiga, Commodore  
Contact: Tom D'Angelo  
(602) 296-5076  
**Mailing address:**  
P.O. Box  
Tucson, AZ 85751-2548

**Metro Amiga Computer Resource**  
MACRO  
**Meeting Place:** Metro Tech Vocational  
Institute  
1900 W. Thomas Rd. Lecture Hall Rm.1101  
Phoenix  
**When:** 1st Thur, 6:30 PM  
**Interests:** Amiga  
Contact: Joe Benedetto  
(602) 938-8050  
**Mailing address:**  
P.O. Box 5776  
Glendale, AZ 85312

**Prescott Area Commodore Club**  
**Meeting Place:**  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Dion Vankirk  
(602) 778-7893  
**Mailing address:**  
P.O. Box 4019  
Prescott, AZ

## \* ARKANSAS \*

**Ark: Amiga**  
**Meeting Place:** Metropolitan Voc Tech Center  
Little Rock  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
Contact: Greg Eanes  
(501) 666-8934

**Commodore Computer Club**  
**Meeting Place:** Westark Community College  
Fort Smith  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Steve Caperton

**Hot Springs Commodore UG**  
**Meeting Place:** AP&L Bldg  
324 Malvern Ave, Hot Springs  
**When:** 3rd Tue, 7PM  
**Interests:** Amiga/Commodore/MS-DOS  
Contact: Julie Cathcart  
(501) 624-5115

**Northwest Arkansas Amiga Users Group**  
**Meeting Place:** Jim's Razor Back Pizza  
US 412, Springfield  
**When:** 2nd Sun, 2 PM  
**Interests:** Amiga  
Contact: Peter Laws  
(501) 443-2598

## \* CALIFORNIA \*

**64/More Commodore Ug**  
**Meeting Place:** Miltipitis Public Library  
Miltipitis  
**When:** 2nd Sat, 10 AM  
**Interests:** Amiga/Commodore  
Contact: Ralph M. Ingraham

**AMIGA Group Enthusiasts of Fresno**  
AGE  
**Meeting Place:** CA State University at Fresno,  
McLane Hall, Room 161  
**When:** 2nd Sat, 9:00 AM  
**Interests:** Amiga  
Contact: Rodney T. Will, President  
(209) 266-1129  
(209) 226-7162 BBS  
**Mailing address:**  
P.O. Box 252  
Fresno, CA 93708

**ASCI**  
**Meeting Place:** Rancho Cucamonga Br Library  
9191 Base Line Rd, Rancho Cucamonga  
**When:** 1st & 3rd Thur, 6:30 PM  
**Interests:** Commodore  
Contact: Josh Jacoby  
(714) 989-6041

**ASCITEC**  
**Meeting Place:** Lockhead Missiles & Space Co  
(Sunnyvale)  
Los Altos  
**When:** 2nd Thur, 5 PM  
**Interests:** Amiga  
Contact: Patrick Bailey  
**Mailing address:**  
Amiga Science and Technology Users Group  
P.O. Box 201  
Los Altos, CA 94023-0201

**AWEST**  
**Meeting Place:** Computer Showcase, 2739  
Geary Blvd.  
San Francisco  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga  
Contact: Jamie Pandover  
(415) 584-8406

**Amiga Friends**  
**Meeting Place:** Rancho Santiago College  
17th & Bristol Rm R-124, Santa Ana  
**When:** 3rd Sun, 1-4 PM except during Dec,  
2nd Sun  
**Interests:** Amiga  
Contact: Sam Noonan  
(714) 775-7237  
(714) 768-3388  
**Mailing address:**  
P.O. Box 4186  
Huntington Beach, CA 92605-4186

**Amiga Tech UG1 and 2**  
ATUG  
**Meeting Place:** Michaelangelo's 552 W. Arrow  
Hwy., San Dimas  
Glendale Federal Savings, Monrovia On the  
corner of Myrtle and Colorado  
**When:** ATUG1 Last Tues, 7 PM  
ATUG2 Third Sat, 1 PM  
**Interests:** Amiga  
Contact: Chris Marple  
(714) 621-9814  
(818) 966-5099 BBS  
**Mailing address:**  
184 Villanova Dr.  
Claremont, CA 91711

**Amiga UG of Long Beach**  
**Meeting Place:** Huntington National Bank  
9025 E. Artesia (Bellflower), Bellflower  
**When:** 1st Mon, 7PM; 2nd Sat, 1 PM; 3rd Sun,  
1PM; 3rd Mon, 7 PM  
**Interests:** Amiga  
Contact: Larry Blair  
(213) 422-8226  
**Mailing address:**  
P.O. Box 228  
Long Beach, CA 90802-0228

**Amiga Video-Graphics Guild**  
**Meeting Place:** The Meeting Place, Fallbrook  
Mall, Shoup Ave, San Fernando Valley  
**When:** 2nd Sat, 1:30-4:45  
**Interests:** Amiga, video and graphics  
Contact: Geoffrey Williams, Director  
(805) 520-9686  
**Mailing address:**  
AVG  
Geoffrey Williams, Director  
1649 Arcane Street,  
Simi Valley, CA 93065

**C.O.U.G.O.R.**  
**Meeting Place:** 1012 Layton Rd. # 20  
Redding  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Robert Wall  
(916) 222-8263

**C.O.W.**  
**Meeting Place:** San Bruno Parks & Rec Bldg  
San Bruno  
**When:** 3rd Thur, 7-10 PM  
**Interests:** Amiga/Commodore  
Contact: Steve Beale  
(415) 873-2200

**Central Coast Commodore UG**  
**Meeting Place:** Lutheran Church  
Bradley Rd. & Patterson, Santa Maria  
**When:** 3rd Tue, 7:30 PM  
**Interests:** Amiga/Commodore  
Contact: Gilbert Vela  
(805) 934-2216 BBS

**Club-64**  
**Meeting Place:** Knights of Columbus Hall  
1729 E. Baseline, San Bernardino  
**When:** 1st Thur, 7-9 PM  
**Interests:** Amiga/Commodore  
Contact: John Shinkunas  
(714) 862-5126

**Commodore UG of Riverside**  
**Meeting Place:** California School For Deaf  
Hwy 91 at Arlington Ave, Riverside  
**When:** 2nd & 4th Thur, 7-9 PM  
**Interests:** Commodore  
Contact: Ken Brown  
(714) 689-1452

**DBUG**  
**Meeting Place:** Diamond Bar Library  
1065 Grand Ave, Diamond Bar  
**When:** 2nd & 4th Wed  
**Interests:** Amiga/Commodore  
Contact: David Zechiel

**Desert Amiga Users Group**  
DAUG  
**Meeting Place:** PERC Building  
82660 Indio Blvd  
**When:** 3rd Sun, 3 PM  
**Interests:** Amiga  
Contact: Bill Pfost  
(619) 346-5506  
**Mailing address:**  
P.O. Box 221  
Palm Springs, CA 92263

**Kern Amiga Owners Society**  
KAOS  
**Meeting Place:** Southwest Veterans Hall,  
Room 3  
1901 Wilson Road, Bakersfield  
**When:** 1st Wed, 7 PM  
Contact: Mike Glinzak  
(805) 833-9867  
(805) 399-1765 BBS  
**Mailing address:**  
P.O. Box 40862  
Bakersfield, CA 93384

**Los Angeles Amiga UG**  
**Meeting Place:** Veterans Memorial Auditorium  
Culver City  
**When:** 3rd Wed, 7:30 PM  
**Interests:** Amiga  
Contact: Kip Hammond  
(213) 390-3010

**NCAC**  
**Meeting Place:** Rico's Pizza  
200 Harnell Ave, Redding  
**When:** 2nd Sat, 2 PM  
**Interests:** Amiga  
Contact: David Murphy  
(916) 472-3237

**Napa Valley Commodore Comp Club**  
**Meeting Place:** Jim Olson's  
2045 Coombsville Road  
**When:** 3rd Mon, 7 PM  
**Interests:** Amiga/Commodore/MS-DOS  
Contact: Carl Peigh  
(707) 255-6375  
**Mailing address:**  
P.O. Box 2324  
Napa, CA 94558

**North Valley Commodore UG**  
**Meeting Place:** Butte County Library  
East 1st, Chico  
**When:** 1st Wed, 7-9 PM  
**Interests:** Amiga/Commodore  
Contact: Frank Alexander  
(916) 872-0896  
(916) 872-3711 BBS  
(916) 894-8333 BBS  
**Mailing address:**  
597 Circlewood Dr  
Paradise, CA 95969

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### Northern California Amiga Club

**Meeting Place:** Rico's Pizza Parlor  
200 Hartnell Ave, Redding  
**When:** 2nd Sat, 2 PM  
**Interests:** Amiga  
**Mailing address:**  
P.O. Box 54  
Bella Vista, CA 96008

### Oceana-64 Commodore Club

**Meeting Place:** 1004 Plover Way  
Oceanside  
**When:** 2nd & 4th Thur, 10 AM  
**Interests:** Commodore  
Contact: Sam Brooks  
(619) 433-3599

### SMAUG

**Meeting Place:** Seaside Library  
Seaside  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga  
Contact: Richard Binsacca  
(408) 678-2518

### Sacramento Amiga Computer Club

**Meeting Place:** Pacific Bell Aud  
2700 Watt Ave, Sacramento  
**When:** 4th Wed, 7-10 PM  
**Interests:** Amiga  
Contact: Linda Marquess  
(916) 447-3842  
(916) 991-8553 FAX or BBS  
**Mailing address:**  
Sacramento  
P.O. Box 19784  
Sacramento, CA 95819-0784

### San Diego Amiga User's Group

**SDAUG**  
**Meeting Place:** SDG & E Building Auditorium  
101 Ash Street  
Downtown San Diego  
**When:** 1st Tues, 7 PM  
**Interests:** Amiga  
Contact: Joel Cross Jr.  
(619) 283-1664  
**Mailing address:**  
P.O. Box 80186  
San Diego, CA 92138-0186

### San Fernando Valley Amiga User Group

**Meeting Place:**  
**When:**  
**Interests:** Amiga  
(818) 887-2717  
**Mailing address:**  
P.O. Box 8183  
Van Nuys, CA 91409

### Santa Barbara Commodore UG

**Meeting Place:** Goleta Library  
Fairview Ave, Goleta  
**When:** 3rd Sat, 1-4 PM  
**Interests:** Commodore  
Contact: Murray Kalisher  
(805) 562-2256

### South Bay Amiga Dudes/Dudettes

**Meeting Place:** South Bay Contemporary  
Museum of Art  
**When:** 1st Thurs, 7 PM  
**Interests:** Amiga  
Contact: Gordon Borbay  
(213) 376-7329  
(213) 325-1796 BBS

### South Orange Commodore Klub

**Meeting Place:** Union Savings  
23688 El Toro Rd.  
**When:** 3rd Sat, 9 AM  
**Interests:** Amiga/Commodore  
Contact: Don Gribble  
(714) 830-2430  
**Mailing address:**  
25401 Champlain Rd.  
Laguna Hills, CA 92653

### T.C.U.G.

**Meeting Place:** call for place, day, and time  
Lafayette  
**When:**  
**Interests:** Amiga/IBM  
Contact: Margaret Copeland  
(415) 284-1635  
**Mailing address:**  
P.O. Box 1065  
Lafayette, CA 94549

### V.C.C.

**Meeting Place:** Doctors Medical Center Conf  
Rm  
Florida and Orangeburg Ave, Modesto  
**When:** 3rd Wed, 7-9 PM  
**Interests:** Amiga  
Contact: Bob Dennison  
(209) 668-8636

### VVClA

**Meeting Place:** Victor School (board room)  
6th & A Sts, Victorville  
**When:** 1st Mon & 3rd Tue  
**Interests:** Commodore  
Contact: Ronald Elliott  
(619) 245-9535

## # COLORADO #

### Paint Box SIG

**Meeting Place:** Amazing Computers, 2553  
South Colorado Blvd, Denver, CO  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga Graphics, Animation and  
CAD  
Contact: Lisa Lewis  
(303) 777-3664  
**Mailing address:**  
Rocky Mountain Amiga Users/SIG  
P.O. Box 280403  
Lakewood, CO 80228

### Rocky Mountain Amiga Users

**RAMU**  
**Meeting Place:** Amazing Computers, 2553  
South Colorado Blvd, Denver, CO  
**When:** 4th Tues, 7 PM  
**Interests:** All aspects of Amigas  
Contact: Lisa Lewis  
(303) 777-3664  
**Mailing address:**  
Rocky Mountain Amiga Users  
P.O. Box 280483  
Lakewood, CO 80228

### The Computer Club

**Meeting Place:** VFW Post #4051  
430 E. Pikes Peak Ave, Colorado Springs  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Leon Hass  
(719) 591-6353

### Wes CAUG

**Meeting Place:** Community Hospital  
Grand Junction  
**When:** 1st Sat, 10 AM  
**Interests:** Amiga  
Contact: Rober Payne  
(303) 245-0054

## # CONNECTICUT #

### Amiga Users Group of SE Conn

**Meeting Place:** One Byte  
Rte 32 Uncasville  
**When:** 3rd Mon, 7 PM  
**Interests:** Amiga  
Contact: James Malloy  
(203) 536-6642 after 12:00 noon

### Capital Region

**Meeting Place:** Vernon Police Station  
Vernon  
**When:** 2nd Tues, 7:30-10:30 PM  
**Interests:** Amiga/Commodore  
Contact: Cheryl Arzt  
(203) 872-3320

### Fairfield County Amiga Users Group

**F.C.A.U.G.**  
**Meeting Place:** Danbury Hospital Health  
Education Auditorium  
Danbury, CT  
**When:** 2nd Sat, 6:00 PM  
**Interests:** Amiga  
Contact: Kevin Brook  
(203) 743-1304  
(203) 438-4721 BBS: The Dark Side  
**Mailing address:**  
57 North Street  
Ste. 315  
Danbury, CT 06810

### HAUG

**Meeting Place:** Aetna Institute  
Hartford  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga  
Contact: Bill Bernhart  
(203) 633-4427

### Hartford County Commodore Users

**Meeting Place:** East Hartford Library, Lions  
Room East  
Hartford  
**When:** 4th Tue, 7 PM  
**Interests:** Commodore  
Contact: Franklin Bouchard

### Millstone Users Group 64/128

**Meeting Place:** Millstone Training Center  
Waterford  
**When:** No set date/time as needed.  
**Interests:** Amiga/Commodore  
Contact: John Bittner  
(203) 357-8368

### NLCUG

**Meeting Place:** Montville VFW  
Uncasville  
**When:** 1st & 3rd Thur, 7-9 PM  
**Interests:** Amiga/Commodore  
Contact: Charlie Kappelman  
203-848-4044  
203-848-1986 BBS

### New Haven Amiga Team Users Group

**Meeting Place:** Yale School of Medicine,  
Beaumont Room,  
Sterling Hall, Cedar Street  
**When:** 2nd Thurs, 7 PM  
**Interests:** Amiga  
Contact: Bart Santello  
(203) 488-9679  
**Mailing address:**  
P.O. Box 733  
Branford, CT 06405-0733

## # DELAWARE #

### Amiga Network

**Meeting Place:** University of Delaware  
Newark  
**When:** 1st Sun, 7-9:30 PM  
**Interests:** Amiga  
Contact: William Kelly  
(302) 323-2952  
(302) 368-1604 BBS  
**Mailing address:**  
Amiga Network  
P.O. Box 5940  
Newark, DE 19714-5940

## # FLORIDA #

### AFLOAT

**Meeting Place:** Citrus County Armory  
Crystal River  
**When:** 2nd Mon  
**Interests:** Amiga/Commodore  
Contact: Richard Briggs

### Amiga Aces

**ACES**  
**Meeting Place:** Melaleuca Elementary School,  
Audio Visual Room  
W. Palm Beach, FL  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
Contact: Steve Greenberg  
(407) 686-4564  
**Mailing address:**  
6287 Lucerne St.  
Palm Beach Gardens, FL 33418

### C.R.U.G.

**Meeting Place:** Florida Power Corp.  
Crystal River  
**When:** 1st Mon.  
**Interests:** Amiga/Commodore  
Contact: Richard Briggs

### Clearwater Commodore Club Inc.

**Meeting Place:**  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Robert Hronec  
(813) 796-0510  
**Mailing address:**  
601 S. Welcher St.  
Clearwater, FL 34616

### Commodore Club of Jacksonville

**Meeting Place:** Regency Library, Mandarin  
Library,  
Orange Park Library, Hayden Burns Library  
**When:** 1st Sat, 10 AM-1 PM; 3rd Sat, 1-4:30  
PM; 4th Sat, 1-4:30 PM; 2nd Tues, 7-9  
**Interests:** Amiga/Commodore  
Contact: John J Donnangelo  
(904) 641-6872

### Daytona Beach Amiga Computers

**Enthusiasts**  
**DBACE**  
**Meeting Place:** Daytona Beach Shores  
Community Center  
**When:** 1st Thurs, 7 PM  
**Mailing address:**  
P.O. Box 10402  
Daytona Beach, FL 32120

### Fort Walton Beach Commodore UG

**Meeting Place:** Choctawhatchee High School  
Racetrack Rd. Ft. Walton Beach  
**When:** 1st Tue/Thur 16 days thereafter, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Joe Majors  
(904) 863-2845 between 6-8  
**Mailing address:**  
1205 Thomason Drive  
Fort Walton Beach, FL 32547

### Miami Amigos

**MAUG**  
**Meeting Place:** Dade Co. Computer Training  
Center  
13135 S.W. 26th St, Miami  
**When:** 3rd Sat, 10-1PM  
**Interests:** Amiga  
Contact: Paul Metheney  
(305) 591-7736  
(305) 554-9332 BBS  
**Mailing address:**  
4590 N.W. 79th Ave 1C  
Miami, FL 33166

### Tampa Bay Amiga

**TBA**  
**Meeting Place:** Jefferson High School  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** Amiga  
Contact: Jim  
(813) 977-6511

### The Suncoast Amiga Club

**TSUNAMI**  
**Meeting Place:** Largo Community Center,  
Pinellas County  
Corner of 6th St and 1st Ave SW  
**When:** 2nd Tues & 4th Tues  
**Interests:** Amiga  
Contact: Harvey Warwick  
(813) 896-9893  
**Mailing address:**  
P.O. Box 1311  
Largo, FL 34649-1311

### Titusville Commodore Club

**Meeting Place:** Brevard Community College  
Titusville  
**When:** 2nd & 4th Wed, 7 PM  
**Interests:** Amiga/Commodore  
Contact: Robert Murray  
Palm Beach Gardens, FL 33418

## # GEORGIA #

### ACAC

**Meeting Place:** Deerfield Windsor School  
Lower Campus  
1733 Beattie Rd, Albany  
**When:** 2nd & 4th Tues, 7:30 PM  
**Interests:** Amiga/Commodore  
Contact: Carlos Villavicencio III  
(518) 439-1322 after 5 pm

## # IDAHO #

### AUSI

**Meeting Place:** Kopper Kitchen Conference  
Center  
Boise  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Amiga  
Contact: Edwin Apel  
(208) 376-1500

### Banana Belt Commodore UG

**Meeting Place:** Lewis-Clark State College  
M.L.H. 13D  
Lewiston  
**When:** 2nd Fri, 7:30 PM  
**Interests:** Commodore  
Contact: Harold Riggie  
(208) 758-3209

### Treasure Valley/Boise UG

**Meeting Place:** Plantation Round Table Pizza  
Boise  
**When:** 1st Thur, 7 PM (Library); 3rd Wed, 7:30  
PM  
**Interests:** Commodore  
Contact: Douglas Parsons  
(208) 375-4672

## # ILLINOIS #

### Amiga CAD Sig

**Meeting Place:** 17515 East Johnson  
Union, IL  
**When:** Last Tues, 7 PM  
**Interests:** CAD on the Amiga  
Contact: Don Strauss  
(815) 923-2401  
**Mailing address:**  
17515 East Johnson  
Union, IL 60180

### Amiga Computer Enthusiasts

**A.C.E.**  
**Meeting Place:** Percy Hopkins Auditorium  
Christ Hospital, Oaklawn  
**When:** 1st Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
Contact: John Zale  
(708) 687-7788  
**Mailing address:**  
P.O. Box 591  
Oak Forest, IL 60452



**CCR**  
**Meeting Place:** Rockford College Star Science Bldg  
 Rockford  
**When:** Thur one month, 7:30-9:30; Sat next month, 9-12 AM  
**Interests:** Amiga/Commodore  
 Contact: Mike Hoss

**CNSAUG**  
**Meeting Place:** Rey College, 8th Floor, Sharnsburg, IL  
 Whitfield Mall Complex  
**When:** 2nd Wed, 7-10 PM  
**Interests:** Exclusively Amiga  
 Contact: Thomas Karlmonn  
 (708) 934-3334  
**Mailing address:**  
 4437 Westbridge Court  
 Hoffman Estates, IL 60195

**CUCCUG**  
**Meeting Place:** Univ. of Illinois (Gregory Hall) Urbana  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Art Lewis Kimball

**Computers West**  
**Meeting Place:** College of DuPage  
 Glen Ellyn  
**When:** 2nd Fri, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Alan Chumley

**E. Peoria**  
**Meeting Place:** WAW Union Hall  
 E. Peoria  
**When:** 3rd Sat, 4-6:30 PM  
**Interests:** Amiga/Commodore  
 Contact: David McMillian  
 (309) 745-8455

**Fox Valley Amuse**  
**Meeting Place:** St. Charles Savings & Loan  
 Corner of Rte. 38 & Randall Road  
**When:** 2nd Mon, 7-10 PM  
**Interests:** Amiga  
 Contact: Robert Woell  
 (708) 759-1590  
**Mailing address:**  
 P.O. Box 4125  
 Aurora, IL 60507-4125

**JACUG**  
**Meeting Place:** First Christian Church  
 508 W. Vandalia, Jacksonville  
**When:** 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Greg Simpson  
 (217) 882-5481

**Lake County Amiga User's Group**  
**Meeting Place:** Public Library in Libertyville  
**When:** 3rd Thurs  
**Interests:** Amiga  
 Contact: Phil Martinez, Doug Miller  
**Mailing address:**  
 4503 Lathrop Drive  
 Woodstock, IL 60098

**SPUG**  
**Meeting Place:** Lincoln Land Community College, Logan Hall  
**When:** 3rd Fri, 7-10  
**Interests:** Amiga, Commodore, MS-DOS  
 Contact: Don Walker  
 (217) 789-7544  
 (217) 789-6644 BBS  
**Mailing address:**  
 P.O. Box 9035  
 Springfield, IL 62791

**Springfield's Premier User Group**  
**SPUGtown**  
**Meeting Place:**  
**When:** 3rd Fri  
**Interests:** Amiga, 64/128, IBM compatible  
 Contact: Robert Ley  
 (217) 498-7500  
**Mailing address:**  
 SPUG President  
 R.R. 2 Box 8  
 Rochester, IL 62563

**WIPUG**  
**Meeting Place:** Quintron (cafeteria)  
 Quincy  
**When:** 3rd Thur, 7-9 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Edward Mills  
 (217) 656-3671

## # INDIANA #

**A.C.E. Amiga Commodore 64/128 Enthusiasts**  
**A.C.E.**  
**Meeting Place:** Eastland Mall  
**When:** 1st Mon, 7-9 PM  
**Mailing address:**  
 A.C.E.  
 P.O. Box 8080  
 Evansville, IN 47717-8080

**Amiga Users of Michiana**  
**Meeting Place:** Christ The King Lutheran Church, Samaritan Center  
 17195 Cleveland Road, Mishawaka  
**When:** 1st Wed, 7:30 PM  
**Interests:** Amiga  
 Contact: Craig Harbor, Pres.  
 (219) 287-3344  
**Mailing address:**  
 2609 Mishawaka Ave.  
 South Bend, IN 46615

**Bloomington Amiga Users Group**  
**BAUG**  
**Meeting Place:** Porticos Restaurant 3rd Floor  
 Bloomington  
**When:** 2nd Wed, 7 PM  
**Interests:** Amiga  
 Contact: Bill Roberts  
 (812) 876-9167  
**Mailing address:**  
 James Marusek  
 RRA, Box 920A  
 Bloomfield, IN 47424

**Commodore Users of Noblesville**  
**Meeting Place:** Carmel Public Library  
 Carmel  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: David Anderson  
 (317) 844-2093

**Indianapolis Computer Club Inc.**  
**Meeting Place:** 788 Christian Church  
 2916 W. 30th St, Indianapolis  
**When:** 2nd Tue  
**Interests:** Commodore/MS-DOS  
 Contact: John Fiega  
 (317) 353-2110

**Logansport Commodore Club**  
**Meeting Place:** Girl Scout Camp  
 303 E. Clay Logansport  
**When:** 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore  
 (219) 223-4542

**Richmond Area Computer UG**  
**Meeting Place:** Richmond City Bldg  
 (community room)  
 Richmond  
**When:** 1st Mon even months/2nd Mon odd months, 7-9 PM  
**Interests:** Amiga/Commodore  
 Contact: Dudley Fetzer  
 (317) 966-9169

**Rochester Commodore Comp Club**  
**Meeting Place:** Rochester Public Library  
 Rochester  
**When:** 2nd Sat, 1 PM  
**Interests:** Commodore  
 Contact: Dan Zellers  
 (219) 223-4542

## # IOWA #

**C-5 Capital Complex**  
**Meeting Place:** Grimes State Office Bldg  
 East 11th & Gray, Des Moines  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Larry Eamer  
 (515) 263-8104

**COUGAR**  
**Meeting Place:** Midland Financial  
 525 Main St, Ames  
**When:** 1st Sun (except holidays-2nd Sun), 2-4 PM  
**Interests:** Commodore  
 Contact: Steve Huffman  
 (515) 432-4006 evenings

**Commo-Hawk Commodore Users Group**  
**CHCUG**  
**Meeting Place:** First Trust & Savings Bank  
 1820 1st Ave. NE, Cedar Rapids  
**When:** 2nd Tues, 7PM (Amiga) 4th Sun, C-64 SIG  
**Interests:** Amiga, Commodore  
 Contact: Linda Bloedel  
 (319) 366-2347  
 (319) 396-0446 BBS  
**Mailing address:**  
 P.O. Box 2724  
 Cedar Rapids, IA 52406-2724

**Northeast Iowa Amiga UG**  
**Meeting Place:** Red Cross Bldg  
 2530 University Ave, Waterloo  
**When:** 3rd Sun, 5 PM  
**Interests:** Amiga  
 Contact: Mary Jensen  
 (319) 277-3758

**Quad Cities Commodore Computer Club**  
**Meeting Place:** Scott Community College,  
 Student Life Center, Rm. 234  
 Belmont Road, Bettendorf  
**When:** 3rd Tues, 7 PM  
**Interests:** Commodore  
**Mailing address:**  
 P.O. Box 3994  
 Davenport, IA 52808

**Tri-State Commodore UG**  
**Meeting Place:** State Bank Bldg  
 Hwy 151, Kieler  
**When:** 2nd & 4th Mon, 7 PM  
**Interests:** Commodore  
 Contact: Wayne Holt  
 (319) 582-4702

## # KANSAS #

**Atchison Commodore UG**  
**Meeting Place:** Atchison Public Library  
 401 Kansas Ave Atchison  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Larry Gilbert  
 (913) 367-2419

**Topeka Commodore Computer UG**  
**Meeting Place:** National Guard Armory  
 28th & Topeka Ave, Topeka  
**When:** Last Tue, 7-9 PM  
**Interests:** Amiga/Commodore  
 Contact: James Wilson  
 (913) 235-8452

## # KENTUCKY #

**Christian County Commodore Club**  
**Meeting Place:** Second Baptist Church,  
 Education Bldg  
 Hopkinsville  
**When:** Last Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Terry Fugua  
 (502) 886-6621

**Glasgow Commodore UG**  
**Meeting Place:** Farmer Rec. Bldg  
 504 S. Lewis St, Glasgow  
**When:** 1st & 3rd Mon, 6:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Larry Stell

**MCCUG**  
**Meeting Place:** Harbin Memorial Library  
 Greensville  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Stanley Fleming  
 (502) 338-3053

## # LOUISIANA #

**Ark-La-Tex Commodore Club**  
**Meeting Place:** John Calvin Pres. Church  
 3030 Colquitt Rd, Shreveport  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Bill Walker  
 (318) 636-3611

**BRACE**  
**Meeting Place:** Cortana Mall (Cortana Room)  
 Baton Rouge  
**When:** 1st Tue, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Roland Caaron  
 (504) 925-9532

**L.A.U.G.**  
**Meeting Place:** Lafayette City Hall  
 705 W. University Ave, Lafayette  
**When:** 3rd Fri, 7:30-11 PM  
**Interests:** Amiga  
 Contact: Clifton Bonhomme  
 (318) 232-9866

**New Orleans Commodore Klub**  
**Meeting Place:** Old Metairie Public Library  
 2350 Metairie Road Metairie  
**When:** 2nd Sat, 4 PM  
**Interests:** Amiga/Commodore  
 Contact: Robert H. Ferguson  
 (504) 482-8551  
**Mailing address:**  
 3701 Division Street  
 Ste. 140  
 Metairie, LA 70002

**New Orleans Commodore Klub**  
**NOCK**  
**Interests:** Amiga  
**Mailing address:**  
 P.O. Box 850306  
 New Orleans, LA 70185-0306

**Page User's Group**  
**Meeting Place:** Metro Mall Community Room  
 Alexandria  
**When:** 2nd Sat, 10 AM; 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: S.C. Miller  
 (318) 473-8611

**Sixty Four UM**  
**Meeting Place:** Jefferson Parish Library  
 Metairie Road, Metairie  
**When:** 2nd Mon, 6-10 PM  
**Interests:** Commodore  
 Contact: Gene Earl  
 (504) 861-2893

**St. Tammany Amiga Fanatics**  
**STAF**  
**Meeting Place:** Faith Bible Church  
**When:** 3rd Thurs, 7-10 PM  
**Interests:** Amiga  
 Contact: Don Talbot  
 (504) 641-5428  
**Mailing address:**  
 P.O. Box 928  
 Slidell, LA 70460-0928

## # MAINE #

**Amiga Users of Southern Maine**  
**Meeting Place:** Fleet Bank  
 Cumberland Street, Westbrook  
**When:** 1st Fri, 6:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Joe Beecher  
 (207) 865-3004 BBS

**Kennebunk Southern Maine Commodore UG**  
**Meeting Place:** Kennebunk Town Hall  
 1 Summer St, Kennebunk  
**When:** 2nd Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Richard Lembree  
 (207) 967-3381

**FACE**  
**Meeting Place:** Varies- please call  
 Belfast  
**When:**  
**Interests:** Amiga  
 Contact: Michael Weinberg  
 (207) 338-3066

**Southern Maine Commodore UG**  
**Meeting Place:** Portland Public Library, 5 Monument Sq.  
 Univ. of Maine Saco Campus, Saco Island, Saco  
**When:** 2nd Sat, 12:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Richard Lembree  
 (207) 967-3381  
 (207) 967-3719 BBS  
**Mailing address:**  
 P.O. Box 416  
 Scarborough, ME 04070-0416

## # MARYLAND #

**A.B.C.U.G.**  
**Meeting Place:** North County Library, Glen Burnie  
**When:** 4th Tues, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Joe Korczynski  
 (301) 760-9764  
**Mailing address:**  
 P.O. Box 0179  
 Glen Burnie, MD 21061-0179

**Another Amiga Group**  
**Meeting Place:** Provinces Branch, Arundel County Library  
 Odenton  
**When:** 2nd Mon

**BAUD**  
**Meeting Place:** Public Library  
 Loch Raven Blvd & Taylor Ave, Baltimore  
**When:** 1st Sat, 1 PM  
**Interests:** Amiga  
 Contact: Ed Hopper  
 (301) 467-1034

**CUM-BACC**  
**Meeting Place:** Meetings are held at members' homes  
 Lutherville  
**When:** 3rd Sun, 1-5 PM  
**Interests:** Amiga  
 Contact: Richard Williams  
 (301) 296-4414

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**NOBUG 64/128**  
**Meeting Place:** Calvary Lutheran Church  
 Baltimore  
**When:** 3rd Mon, 7:30 PM  
**Interests:** Commodore  
 Contact: Solis James  
 (301) 325-2083

**Rockville Commodore UG**  
**Meeting Place:** Twinbrook Library  
 Rockville  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Commodore  
 Contact: Cy Felleman  
 (301) 493-8661

**SMAUG**  
**Meeting Place:** Varies  
 Huntingtown  
**When:** 1st Tues, 7-9 PM  
**Interests:** Amiga  
 Contact: Vicki Harmon  
 (301) 535-3842

## \* MASSACHUSETTS \*

**Amiga Users of Southeastern Mass.**  
**AUSM**  
**Meeting Place:** Tremblay Bus Co., 284 Myrtle  
 Street New Bedford, MA  
**When:** 1st Tues  
**Interests:** Amiga  
 Contact: Dave Pare, President  
 (508) 992-3601  
 (508) 997-4666 BBS  
**Mailing address:**  
 AUSM  
 P.O. Box 50856  
 New Bedford, MA 02745-9998

**Boston Computer Society**  
**Meeting Place:** Call for info  
 Cambridge  
**When:** 3rd Tues, 7:00 PM  
**Interests:** Commodore  
 Contact: Barbara Mintz  
 (617) 367-8080  
**Mailing address:**  
 P.O. Box 1729  
 Cambridge, MA 02238

**Fall River Commodore Club**  
**Meeting Place:** Somerset Public Library  
 Somerset  
**When:** 2nd Mon, 6:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Tim Arruda  
 508-677-4535 BBS

**Northern Berkshire Amiga Club, The**  
**Meeting Place:** North Adams State College  
 Library Church Street  
 North Adams  
**When:** Last Fri, 6 PM  
**Interests:** Amiga  
 Contact: Adrian Sebborn  
 (413) 664-4511 ext. 516  
 (413) 445-7310 BBS  
**Mailing address:**  
 Adrian Sebborn  
 N Adams State College, Church Street  
 North Adams, MA 01247

**Pioneer Valley Commodore Club**  
**Meeting Place:** W. Mass Electric Bldg  
 Brush Hill Rd, Springfield  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Marvin Yale  
 (413) 562-1027  
 (413) 568-4466 BBS

**S.N.H.A.U.G.**  
**Meeting Place:** West Manchester Public  
 Library  
 Manchester  
**When:** 3rd Sat, 12-4:30 PM  
**Interests:** Amiga  
 Contact: Dave Nye  
 (508) 897-6765  
 (603) 669-6719

**The Boston Computer Society**  
**Meeting Place:** Department of Transportation  
 55 Broadway, Cambridge  
**When:** 3rd Tue, 7 PM  
 Contact: Alan Hoyland  
 (617) 438-9164

**WCAUG**  
**Meeting Place:** S Works VFW Post, Ballard St.  
 Worcester  
**When:** 2nd Wed, 7:30 PM  
**Interests:** Amiga  
 Contact: Don Carlson  
 (508) 835-2453

## \* MICHIGAN \*

**Coastline Commodore Comp Club**  
**Meeting Place:** American Legion Hall  
 201 Lamusee, Biloxi  
**When:** 1st Sat, 9:30 AM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: William K. Hubler  
 (601) 374-2582

**Downriver Commodore Group**  
**Meeting Place:** Taylor Community Library  
 Taylor  
**When:** 1st & 3rd Wed, 8 PM  
**Interests:** Amiga  
 Contact: Dino Costantino  
 (313) 277-0114  
 (313) 386-1565

**Jackson Commodore Computer Club**  
**Meeting Place:** 2214 E. Ganson  
 Jackson  
**When:** Last Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Tony Bengel  
 (517) 782-6753

**Jackson Commodore UG**  
**Meeting Place:** Computer Services  
 Jackson  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Daniel Myers  
 (601) 352-0707

**Kalamazoo Valley Home UG**  
**Meeting Place:** KVCC, Room 1040  
 Kalamazoo  
**When:** 2nd Thur, 7:30 PM  
**Interests:** Commodore  
 Contact: Donald Campbell  
 (616) 345-7039

**Michigan Commodore UG**  
**Meeting Place:** Warren-Woods Middle School  
 13400 Twelve Mile Rd, Warren  
**When:** 3rd Thur, 7-9 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Art Ferrazutti

**Midland Computer Club**  
**Meeting Place:** Grace A Dow Library, Corner  
 of St. Andrews and Eastman Rd.  
 Midland  
**When:** 4th Mon, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Rick Rosinski  
 (517) 631-7162  
**Mailing address:**  
 4702 Jefferson  
 Midland, MI 48640

**Saginaw Area Commodore User's Group**  
**SACUG**  
**Meeting Place:** Zauel Memorial Library  
 3100 N. Center Rd, Saginaw Twp.  
**When:** 3rd Tues, 7 PM  
**Interests:** Amiga, 128, 64  
 Contact: John Lehtinen  
 (517) 695-5974  
**Mailing address:**  
 P.O. Box 2393  
 Saginaw, MI 48605

**Toaster Users Group of Southeastern Michigan**  
**TUGSM**  
**Meeting Place:**  
**When:**  
 Contact: Michael A. Greer  
 (313) 355-5916  
**Mailing address:**  
 26752 E. Carnegie Park Drive  
 Southfield, MI 48034

## \* MINNESOTA \*

**Amiga of Minnesota Interest Groups Alliance**  
**A.M.I.G.A.**  
**Meeting Place:** Brookdale-Hennepin Area  
 Library  
 6125 Shingle Creek Parkway  
**When:** 3rd Thur, 6:30-8:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Dennis Olsen Bet. 6-9 PM  
 (612) 939-0325  
 (800) 227-2983 BIX  
 (612) 895-0117 BBS  
**Mailing address:**  
 P.O. Box 32374  
 Fridley, MN 55432

**Amiga of Minnesota Interest Groups Alliance**  
**A.M.I.G.A.**  
**Meeting Place:** Crystal Community Center,  
 49th and Douglas Drive  
**When:** 4th Thur, 7-9 PM  
**Interests:** Amiga/Commodore  
 Contact: Steve Reisman or Bill Toninato  
 (612) 521-3709 Steve  
 (612) 533-8634 Bill  
 (612) 895-0117 BBS  
**Mailing address:**  
 P.O. Box 32374  
 Fridley, MN 55432

**Minnesota Commodore UG**  
**Meeting Place:** Park Center High School  
 Brooklyn Park  
**When:** 3rd Wed, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Loren Iovhaug  
 (612) 588-3078

**Twin Ports Area Amiga Users Group**  
**Meeting Place:** UMD Room MWAH  
 176 Duluth  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga  
 Contact: Kenji Ogura  
 (218) 722-2641

## \* MISSOURI \*

**Columbia Commodore User**  
**Meeting Place:** Columbia Mall (meeting room)  
 Columbia  
**When:** 2nd Thur, 6:30-9 PM  
**Interests:** Amiga/Commodore  
 Contact: Harold Lawson  
 (314) 474-2303

**Commodore UG of Springfield**  
**Meeting Place:** VFW Post 3403 (bingo room)  
 1136 E. Atlantic, Springfield  
**When:** 2nd Sat, 10 AM  
**Interests:** Commodore  
 Contact: Bill Patrick  
 (417) 882-3866

**Gateway Amiga Club Inc.**  
**Meeting Place:** Washington Univ Med School  
 4566 Scott, St Louis  
**When:** 1st Wed, 7:30 PM  
**Interests:** Amiga  
 Contact: Bob Scharp  
 (314) 739-5181 (after 11 AM)  
**Mailing address:**  
 P.O. Box 811  
 Bridgeton, MO 63044

**Gateway Amiga Club Inc.**  
**Meeting Place:** Bridgeton Trails Library  
 3455 McKelvey Rd, Bridgeton  
**When:** 3rd Wed, 7:30 PM  
**Interests:** Amiga  
 Contact: Bob Scharp  
 (314) 739-5181 (after 11 AM)

**Joplin Commodore Computers UG**  
**Meeting Place:** 422 S. Florida Ave  
 Joplin  
**When:** 3rd Sat, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Dale Connley  
 (417) 624-5259

**Ozarks Amiga Comp Enthusiast's**  
**Meeting Place:** Springfield Public Library-  
 Kickapoo Prairie Branch  
 Springfield  
**When:** 4th Sat, 9:30-Noon  
**Interests:** Amiga  
 Contact: Steve Languth  
 (417) 882-5995

**Amiga Users Group of Kansas City Inc.**  
**Meeting Place:** Baptist Medical Center  
 6601 Rockhill Rd Kansas City  
**When:** 3rd Mon, 7 PM  
**Interests:** Amiga  
 Contact: Mike or Robin Thompson  
 (816) 444-3711  
 (816) 322-5803 BBS  
**Mailing address:**  
 9014 Central  
 Kansas City, MO 64114

## \* MONTANA \*

**Missoula Commodore UG**  
**Meeting Place:** Montana Power Bldg  
 Missoula  
**When:** 1st Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Becky Maier  
 (406) 626-4730

## \* NEBRASKA \*

**Amiga Users Of The Heartland, Inc.**  
**Meeting Place:** Elks Lodge #39  
 96th & Harrison, Omaha  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga  
 Contact: Larry Zwart  
 (402) 751-1393

**Amiga Users of the Heartland, Inc.**  
**Meeting Place:** Elks Lodge #39  
 96th & Harrison, Omaha  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga  
 Contact: Larry Zwart  
 (402) 571-1393  
**Mailing address:**  
 P.O. Box 1432 DTS,  
 Omaha, NE 68101-1432

**MCUG**  
**Meeting Place:** McCook Public Library  
 (basement)  
 McCook  
**When:** 3rd Sun (Sept-May), 6 PM  
**Interests:** Amiga/Commodore  
 Contact: Dave Matthews  
 (308) 345-5884

## \* NEVADA \*

**Southern Nevada Amiga Group**  
**S.N.A.G**  
**Meeting Place:** Nevada Power Bldg, 1973 N.  
 Nellis, Blvd, Ste. 224  
 Las Vegas, 89115  
**When:** Every other Sat, 10 AM  
**Interests:** Amiga  
 Contact: Eric Douglas  
 (702) 656-8782  
 (702) 594-7047 Voice Hot Line  
 (702) 566-6222 BBS  
**Mailing address:**  
 S.N.A.G  
 1973 N. Nellis Blvd.  
 Las Vegas, NV 89115

## \* NEW HAMPSHIRE \*

**Commodore Users Group**  
**Meeting Place:** Bow Memorial School  
 Bow  
**When:** 1st Mon, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Albert Couture  
 (603) 669-2439

**Seacoast Area Amiga Users Groups**  
**SA AUG**  
**Meeting Place:** Digital Connections Computer  
 Dover Point Office Park, Dover  
**When:** 3rd Sun, 2-5 PM  
**Interests:** Amiga  
 Contact: Steve Endsley  
 (603) 742-2253  
**Mailing address:**  
 P.O. Box 878  
 Rochester, NH 03867

## \* NEW JERSEY \*

**Amiga Users' Group of New Jersey**  
**Meeting Place:** Rutgers University  
 Camden  
**When:** 3rd Thur, 7 PM  
**Interests:** Amiga  
 Contact: Jay Forman  
 (609) 667-2526

**Cebug**  
**Meeting Place:** East Brunswick Library  
 E. Brunswick  
**When:** 1st Thur, 7 PM  
**Interests:** Commodore  
 Contact: Dave Pollak  
 (201) 390-6767

**Eastern North Jersey Amiga User Group**  
**ENJA**  
**Meeting Place:** American Legion Hall  
 180 Union Blvd, Totowa  
**When:** 1st Wed, 7:30 PM  
**Interests:** Amiga  
 Contact: Steve Redington  
 (201) 785-6155  
 (201) 256-0691 BBS  
**Mailing address:**  
 ENJA  
 P.O. Box 2314  
 West Paterson, NJ 07424

## Jersey Amiga Users Group

**JAUG**  
**Meeting Place:**  
**When:**  
 Contact: Eric Lavitsky  
 (201) 560-0106  
**Mailing address:**  
 P.O. Box 1986  
 New Brunswick, NJ 08901

## M.A.C.U.G.

**Meeting Place:** Parsippany Public Library  
 Parsippany Rd, Parsippany  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Michael Pallante  
 (201) 361-4560

## New Jersey Amiga Video Animation and Graphics Special Interest Group

**New Jersey Amiga SIG**  
**Meeting Place:** Members homes, studios, & places of business  
**When:** 2nd Fri  
**Interests:** Review new hardware and software, help each other become more proficient  
 Contact: Roger Elowitz or Sam Russell  
 (908) 536-4786 (R. Elowitz)  
 (609) 466-4727 (S. Russell)

## \* NEW MEXICO \*

### Aviation & Computer Enthusiasts

**Meeting Place:** Call for day & time  
 2009 Camelot Dr, Las Cruces  
**When:**  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Carl Bogardus  
 (505) 526-5645

## CUGOR

**Meeting Place:** Roswell Adult Center  
 807 N Missouri, Roswell  
**When:** 1st & 3rd Wed, 7 PM  
**Interests:** Commodore  
 Contact: Ralph Knight  
 (505) 622-9250

## Deming Commodore UG

**Meeting Place:** 1400 Mallory  
 Deming  
**When:** 1st & 3rd Tue, 7:30 PM  
**Interests:** Commodore  
 Contact: Robert Sandoval  
 (505) 546-3351

## NEW MEXICO COMMODORE USERS GROUP NMCUG

**Meeting Place:** Amiga Systems Group:  
 Wellington Place Clubhouse 3303 Adams, NE  
 C-series Group: Cafeteria of Saint Joseph's Heights Hospital  
**When:** Amiga Systems Group: 2nd Wed, 7:00 PM; 4th Sat, 1:00 PM C-series: 1st Mon  
**Mailing address:**  
 P.O. Box 37127  
 Albuquerque, NM 87176

## Rio Grand Valley Amiga UG

**Meeting Place:** Jacobs Hall NMSU, Room 129  
 Las Cruces  
**When:** 1st Thur, 7 PM  
**Interests:** Amiga  
 Contact: Marilyn Martin  
 (505) 646-1840

## \* NEW YORK \*

### Binghamton Amiga User Group

**BAUG**  
**Meeting Place:** Vestal Public Library  
**When:** 2nd Wed  
**Interests:** Amiga  
 Contact: Gary B. Lee  
 (607) 754-0624 (after 4 PM EST)  
**Mailing address:**  
 332 Clifford Dr.  
 Vestal, NY 13850-1010

## C.D.A.U.G.

**Meeting Place:** The Computer Cellar,  
 Westgate Shopping Mall  
 Albany  
**When:** 3rd Thur, 6:30 PM  
**Interests:** Amiga  
 Contact: Carmen Artino  
 (518) 783-1784

## CAST

**Meeting Place:** 138-10 Franklin Ave, Flushing  
**When:** last Sat, 12 PM  
 Contact: Alex Yang  
 (718) 767-2650  
**Mailing address:**  
 150-21 7th Ave.  
 Whitestone, NY 11357-1208

## CHIPS Amiga UG

**CHIPS**  
**Meeting Place:** Thruway Lanes, 1550 Walden  
 Ave, Chesholowaga, NY  
**When:** 2nd and 4th Tues, 8:00 PM  
**Interests:** General  
 Contact: Len Souliere or Mike Sanders  
 (716) 941-3233 Len  
 (716) 648-5521 Mike  
**Mailing address:**  
 CHIPS Amiga Users Group  
 Box 315  
 Patchin, NY 14025

## Columbia University Commodore-Amiga

**Users Groups**  
**CUCAUG**  
**Meeting Place:** Shapiro Hall, Room 1011  
 Columbia University  
**When:** Bi-Thurs, 7 PM  
**Interests:** Amiga  
 Contact: Ethan Solomita  
 (212) 853-2205

## Commodore Users Group of Rochester

**CUGOR**  
**Meeting Place:** Visual Studies Workshop  
 50 Prince Street, Rochester, NY  
**When:** 2nd and last Wed  
**Interests:** Amiga  
 Contact: John McElver  
 (716) 621-5908 BBS  
**Mailing address:**  
 P.O. Box 23463  
 Rochester, NY 14692

## Long Island Commodore Amigans

**LICA**  
**Meeting Place:** Veterans of Foreign Wars Hall  
 403 Maple Avenue  
**When:** 3rd Fri, 8 PM  
**Interests:** Amiga/Commodore  
 Contact: Michael Robinson  
 (718) 326-1087  
 (516) 489-2745 BBS

## New York Amiga User Group

**AMUSE**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
 (212) 460-8067  
**Mailing address:**  
 151 First Ave.  
 Ste. 182  
 New York, NY 10003

## TASC II

**Meeting Place:** E.C. Unlimited  
 Fulton  
**When:** Last Fri, 7 PM  
**Interests:** Amiga  
 Contact: Jean Gulliver  
 (315) 593-1825  
**Mailing address:**  
 P.O. Box 177  
 Fulton, NY 13069

## The Bronx Users Group

**BUG**  
**Meeting Place:** 3400 Ft. Independence St,  
 Community Room  
 Community Rm  
**When:** 2nd Thur, 7:30-9:30PM  
**Interests:** Amiga/Commodore  
 Contact: Bruce Roberts  
 (212) 671-7050 BBS  
**Mailing address:**  
 P.O. Box 523  
 Bronx, NY 10475

## Triple Cities Commodore Society

**Meeting Place:** Vestal Public Library  
 Vestal  
**When:** 1st Tue & 3rd Thur, 7 PM  
**Interests:** Commodore  
 Contact: Larry Drumm  
 (607) 797-6117

## Westchester Amiga User Group

**WAUG**  
**Meeting Place:** Software Link  
 White Plains  
**When:** 1st Thur, 7:30 PM  
**Interests:** Amiga  
 Contact: Billy Winters  
 (914) 769-9433  
**Mailing address:**  
 WAUG c/o Billy Winters  
 460 West Lake Dr.  
 Valhalla, NY 10595

## \* NORTH CAROLINA \*

## F.A.C.E.

**Meeting Place:** Software Exchange, Sycamore  
 Square Shopping Center  
 Fayetteville  
**When:** 3rd Wed, 7 PM  
**Interests:** Amiga  
 Contact: John Berger  
 (419) 432-2013 BBS

## Triangle Amiga Users

**Meeting Place:** Arts Center, 300 Main St  
**When:** Last Sunday, 6:30 PM  
**Interests:** Amiga  
 Contact: Steve Ayscue, Don Nelson  
 (919) 477-1067  
 (919) 942-2764  
**Mailing address:**  
 c/o Robin LaPasha  
 1927 Faucette Ave  
 Durham, NC 27704

## Wilmington Commodore UG

**Meeting Place:** Cape Fear Community College  
 Wilmington  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Wade Harris

## \* NORTH DAKOTA \*

## C.D.C.C.

**Meeting Place:** First Federal Bank Bldg  
 Bismarck  
**When:** 2nd Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Troy Tausend

## Fargo Moorhead Amiga UG

**Meeting Place:** 610 Main Ave.  
 Fargo  
**When:** 3rd Wed, 6:30 PM  
**Interests:** Amiga  
 Contact: John Steiner  
 (701) 282-0293

## \* OHIO \*

## Akron Area Commodore UG

**Meeting Place:** Green Middle School  
 Greensburg  
**When:** 3rd Sat, 1 PM  
**Interests:** Amiga/Commodore  
 Contact: Howard Busson  
 (216) 794-1953

## Amiga Central Ohio Network

**AmiCON**  
**Meeting Place:** Chemical Abstract Service  
 2400 Olentang River, Columbus  
**When:** 1st Sat, 10 AM; 3rd Wed, 7 PM  
**Interests:** Amiga  
 Contact: Chuck Cave  
 (614) 436-0617  
 (614) 263-3009 BBS  
**Mailing address:**  
 P.O. Box 18311  
 Columbus, OH 43218

## Amiga UG #432

**Meeting Place:** Red Cross Building  
 266 W. Wood St, Youngstown  
**When:** 2nd Sat, 2 PM  
**Interests:** Amiga  
 Contact: Dennis Alexander  
 (216) 726-8450  
 (216) 856-7869

## Ashtabula County Commodore Users

**Group**  
**A.C.C.U.G.**  
**Meeting Place:**  
**When:**  
 Contact: Sue Altonen, Club Secretary  
**Mailing address:**  
 1034 Michigan Avenue  
 Ashtabula, OH 44004

## Basic Bits Commodore Group

**Meeting Place:** Fields UM Church  
 34077 Lorain Rd, N. Ridgeville  
**When:** 3rd Fri, 7:30 PM  
**Interests:** Amiga/Commodore

## CA-AUG

**Meeting Place:** Cleveland Institute of Art  
 11610 Euclid Ave, Cleveland  
**When:** Summer, 3rd Sat, 2-4:40 PM  
**Interests:** Amiga  
 Contact: Bill Hogsett  
 (216) 295-1624  
**Mailing address:**  
 2875 Hampton Road  
 Apt. 22  
 Cleveland, OH 44120

## CEBUG

**Meeting Place:** Zion Luth Church  
 Huron  
**When:** 3rd Mon, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Irene Kraus

## CHUGS

**Meeting Place:** Clark Cty Mental Health Board  
 1101 E. High St, Springfield  
**When:** 3rd Sat, 1 PM  
**Interests:** Amiga/Commodore  
 Contact: Barbara Bickel  
 (513) 322-9310

## Canton Akron Massillon UG

**Meeting Place:** Holy Trinity Lutheran Church  
 55th & Middlebranch Rd, N Canton  
**When:** 3rd Sat, 7-10 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Roger Knop  
 (216) 499-0848

## Central Ohio Commodore UG

**Meeting Place:** Columbus State Community  
 College  
 Columbus  
**When:** 3rd Thur, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Philip Lynch  
 (614) 274-0304

## Chillicothe Commodore UG

**Meeting Place:** Salem Church corner  
 4th & Mulberry St, Chillicothe  
**When:** 1st Tue, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Bill Pietschman  
 (614) 773-2157

## DACUG

**Meeting Place:** Defense Electronics Supply  
 Center (DESC)  
**When:** 2nd Sat, 3-7 PM  
**Interests:** Amiga/Commodore or compatibles  
 Contact: Mona Spurgeon, President  
 (513) 298-6743

## HUG-64

**Meeting Place:** Old Court House  
 819 Park St, Findlay  
**When:** 2nd Wed, 7 PM  
**Interests:** Commodore  
 (419) 424-0455

## L-BUG

**Meeting Place:** Bowie Community Center  
 Bowie  
**When:** 3rd Tues, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Lee Wiseman  
 (301) 464-1745

## North Coast Amiga User Group

**Meeting Place:** Kirtland Public Library  
 9258 Chillicothe Rd, Kirtland  
**When:** 2nd Sat, 10:00-noon.  
**Interests:** Amiga  
 Contact: Doug Southworth  
 352-2192  
 953-8057 BBS  
**Mailing address:**  
 P.O. Box 1091  
 Fairport Harbor, OH 44077

## O.V.A.U.G.

**Meeting Place:** University of Cincinnati  
 Rieveschl Hall, Rm 502  
 Cincinnati  
**When:** Last Tues, 8:00 PM  
**Interests:** Amiga  
 Contact: George Gibeau  
 (513) 721-1214

## TRUMCUG

**Meeting Place:** Cortland Bank, Elm Road  
 Branch  
 Warren  
**When:** 3rd Wed (except July & Aug), 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Robert Summers  
 (216) 856-1228

## The Commodore and Amiga UG Inc

**Meeting Place:** Grace Lutheran Church  
 Columbus  
**When:** 4th Sat, 10-1:30 PM; 2nd Mon, 6:30-9:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Jo-Anne Nemeth  
 (614) 253-7408

## VICAP

**Meeting Place:** White Oak Library  
 Silver Spring  
**When:** 2nd Sat, 2 PM  
**Interests:** Commodore  
 Contact: Hugh Pettis  
 (301) 434-6944

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## \* OKLAHOMA \*

**Commodore Users of Bartlesville**  
**Meeting Place:** Our Saviour Lutheran Church  
 300 N.E. Madison Blvd, Bartlesville  
**When:** 4th Tue odd months, 4th Thur even months.  
**Interests:** Amiga/Commodore  
 Contact: Fred Mayes  
 (918) 336-0233

**Oklahoma Amiga Computer Enthusiasts**  
**OACES**  
**Meeting Place:**  
**When:** 1st Tues  
**Interests:** Amiga  
 Contact: James Franklin  
 (405) 324-8061 BBS  
**Mailing address:**  
 P.O. Box 890981  
 Oklahoma City, OK 73189-0981

**TACUG**  
**Meeting Place:** Martin East Regional Library  
 Tulsa  
**When:** 2nd Mon, 7:30 PM  
**Interests:** Commodore  
 Contact: Wayne Wehrspann  
 (918) 299-4559

## \* OREGON \*

**CUA**  
**Meeting Place:** Calvary Temple Church  
 5th & E. Pine Center Point  
**When:** 1st Mon, 7 PM  
**Interests:** Commodore  
 Contact: Kenneth Cote  
 (503) 779-3290

**Lane County Commodore UG**  
**Meeting Place:** EWEB Community Room  
 Eugene  
**When:** 3rd Sat, 10-2 PM  
**Interests:** Amiga/Commodore  
 Contact: Francis Saffell  
 (503) 342-6228

**M.I.G.A.**  
**Meeting Place:** Carefree Mobile Village (rec room)  
 Medford  
**When:** 3rd Sat, 5 PM  
**Interests:** Amiga  
 Contact: Randy Waarrick  
 (503) 826-7510

**Northwest Amiga Group (NAG)**  
**Meeting Place:** P.G.E. Auditorium  
 3700 S.E. 17th, Portland  
**When:** 4th Tues, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Richard Machlan  
 (503) 626-3744  
 (503) 288-1918 BBS  
 (503) 656-7393 BBS  
**Mailing address:**  
 P.O. Box 1140  
 Oregon City, OR 97045

## \* PENNSYLVANIA \*

**ABC Chips**  
**Meeting Place:** Sacred Heart Hospital  
 Allentown  
**When:** 1st Wed, 7-10 PM  
**Interests:** Amiga  
 Contact: Thomas Duff  
 (215) 865-4524

**Buxmont Computer UG**  
**Meeting Place:** Lansdale Public Library  
 Lansdale  
**When:** 2nd Thur, 7 PM  
**Interests:** Commodore  
 Contact: Paul Steinmetz  
 (215) 368-1949

**CPACC**  
**Meeting Place:** The Computer Experience  
 3401 Hartzdale Camp Hill  
**When:** Last Thur, 6:45 PM  
**Interests:** Amiga  
 Contact: David Isett  
 (717) 737-9874

**Huntingdon County Hackers**  
**Meeting Place:** Huntingdon County Library,  
 Huntingdon Branch  
**When:** 2nd Sun, 2 PM  
**Interests:** Amiga/Commodore  
 Contact: Shawn Ketner  
 (814) 643-1699  
 (814) 643-2549

**L.E.A.G.U.E.**  
**Meeting Place:** Stauffer Mansion  
 1241 Litz Pike, Lancaster  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
 Contact: Lamar Stahl  
 (717) 569-1744

**Main Line Commodore UG**  
**Meeting Place:** Villanova University  
 Villanova  
**When:** 1st Sat, 9:30 AM  
**Interests:** Amiga/Commodore  
 Contact: Emil Volcheck  
 (215) 388-1581

**Nepace Commodore UG**  
**Meeting Place:** Penn State Hazleton Campus  
 Hazleton  
**When:** 4th Fri (Sept - May), 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: David Orbin  
 (717) 450-3088

**North Coast Commodore UG**  
**Meeting Place:** Villa Maria College  
 Erie  
**When:** 3rd Tue, 7:15 PM  
**Interests:** Amiga/Commodore  
 Contact: Calvin McAdoo  
 (814) 734-4589

**Philadelphia Amiga UG**  
**FAUG**  
**Meeting Place:** MacAllister Hall, Rm 4014  
 33rd & Chestnut St, Philadelphia  
**When:** 2nd Sat, 12:30-4:30 PM  
**Interests:** Amiga  
 Contact: Michael Levin or Adrain Desmarais  
 (215) 664-8278  
 (215) 566-6845

**Pittsburgh Commodore Group**  
**Meeting Place:** Mellon Science Hall,  
 Duquesne University  
**When:** 3rd Sun (Sept-June), 9:30 AM  
**Interests:** Amiga/Commodore  
 Contact: Neal Kushner  
 (412) 828-3505  
**Mailing address:**  
 P.O. Box 16126  
 Pittsburgh, PA 15242

**Scranton Commodore UG**  
**Meeting Place:** Junior Achievement Center  
 Scranton  
**When:** 3rd Tue, 7 PM  
**Interests:** Commodore  
 Contact: Phil Matone  
 (717) 489-7843

**White Rose Commodore UG**  
**Meeting Place:** Adams Electric Cooperative  
 York  
**When:** 3rd Wed, 7 PM  
**Interests:** Commodore  
 Contact: James A. Miller  
 (717) 848-9321

## \* RHODE ISLAND \*

**Narragansett Commodore UG**  
**Meeting Place:** Showmut Baptist Church  
 West Shore Road, Warwick  
**When:** 4th Wed, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Ron Maguire  
 (401) 738-6972

**Warwick Commodore UG**  
**Meeting Place:** St. Barnabus Church  
 Appanoag  
**When:** 2nd Wed, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Ted Walters  
 (401) 433-5617

## \* SOUTH CAROLINA \*

**Commodore Computer Club of Columbia**  
**Meeting Place:** Classics  
 1632 Hampton St, Columbia  
**When:** 1st Thur, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Buster White  
 (803) 733-9783  
 (803) 772-0305

**SPARCUG**  
**Meeting Place:** Spartanburg Art Center  
 Spartanburg  
**When:** 2nd Sun (except May), 1:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Lee Speer  
 (803) 582-5222

## \* SOUTH DAKOTA \*

**Aberdeen Commodore Club**  
**Meeting Place:** NW Bell Bldg  
 15 SW 4th Ave, Aberdeen  
**When:** Last Tue, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Dorothy Gathright  
 (605) 622-3880 BBS

## \* TENNESSEE \*

**Commodore Association of SE**  
**Meeting Place:** Bonanza  
 Stewart Ferry Pk & I-40 Nashville  
**When:** Sat, Noon  
**Interests:** Amiga/Commodore  
 Contact: Thomas Kujawa  
 (615) 648-1838

**Hackers**  
**Meeting Place:** Bartlett Library  
 Bartlett  
**When:** 2nd Mon, 7 PM; 3rd Sat, 10 AM  
**Interests:** Commodore  
 Contact: James Patrick  
 (901) 795-0461

**Memphis Amiga Group**  
**Meeting Place:** State Tech Inst At Memphis  
 Memphis  
**When:** 2nd Sat, 1 PM  
**Interests:** Amiga  
 Contact: Broadus Weatherall  
 (901) 767-9239

**Memphis Commodore Users Club**  
**Meeting Place:** State Tech Inst, Fulton  
 Auditorium  
 Memphis  
**When:** 1st Tue, 7 PM  
**Interests:** Commodore  
 Contact: Bob Nunn  
 (901) 795-0461

**The Amiga Club**  
**Meeting Place:** Cumberland Museum  
 Antioch  
**When:** 2nd Thur, 7 PM  
**Interests:** Amiga  
 Contact: Becky Fox Matthews  
 (615) 776-5438 BBS  
**Mailing address:**  
 P.O. Box 40651  
 Nashville, TN 37204

## \* TEXAS \*

**CUT**  
**Meeting Place:** 7007 Memphis Ave.  
 Lubbock  
**When:** 2nd Tue, 7-9 PM; 4th Sat, 3-5 PM  
**Interests:** Amiga/Commodore  
 Contact: Gayle Gafford  
 (806) 792-7121

**Central Texas Amiga Computer Society**  
**CTACS**  
**Meeting Place:**  
**When:**  
 Contact: Arnaldo R. Cruz  
 (512) 219-1401 BBS  
**Mailing address:**  
 ATTN: Treasurer  
 P.O. Box 141664  
 Austin, TX 78714

**Club Amiga**  
**Meeting Place:** Micro Search Computers  
 9896 S.W. Freeway, Houston  
**When:** 1st Thur, 7-9 PM  
**Interests:** Amiga  
 Contact: Joyce Burek  
 (713) 481-4704 after 4 PM

**Commodore Amiga Users of San Antonio**  
**CASA**  
**Meeting Place:** Amazing Computers 7115  
 Blanco Ste. 114  
 San Antonio  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
 Contact: James O. Jackson  
 (512) 921-1758  
**Mailing address:**  
 CASA  
 P.O. Box 290039  
 San Antonio, TX 78280-1439

**Concho Valley Commodore Users Group**  
**CVCUG**  
**Meeting Place:** 2nd Thurs at Central National  
 Bank  
 4th Sat at El Patio Motel  
**When:** 2nd Thurs, 7 PM. 4th Sat, 9 AM  
**Interests:** Computers in general, Amigas in particular  
 Contact: Jon B. Peterson, Pres.  
 (915) 949-1400  
**Mailing address:**  
 CVCUG  
 P.O. Box 2661  
 San Angelo, TX 76902

**El Paso Amiga Users Group**  
**EPAUG**  
**Meeting Place:** St. Pauls Methodist Church  
 7000 Edgemere  
**When:** 2nd & 4th Thur, 7:00 PM  
**Interests:** Amiga  
 Contact: Walker Jackson  
**Mailing address:**  
 6628 Mariposa  
 El Paso, TX 79912

**El Paso Commodore UG**  
**Meeting Place:** Lincoln Cultural Arts Center  
 4001 Durazno, El Paso  
**When:** 2nd Thur, 7 PM; Last Sat, 10 AM  
**Interests:** Amiga/Commodore/ MS-DOS  
 Contact: Blaine Snyder  
 (915) 751-9884

**Longview Commodore UG**  
**Meeting Place:** Pinetree Jr. High School  
 Longview  
**When:** 3rd Tue, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Eldon Boswell  
 (214) 759-9064

**Metroplex Commodore Computer Club**  
**Meeting Place:** Amiga North Dallas Chapter,  
 Richardson Civic Center  
**When:** 3rd Wed, 7:00 PM  
**Interests:** Amiga  
 Contact: Craig Bird  
 (817) 540-3360  
**Mailing address:**  
 P.O. Box 813  
 Bedford, TX 76095

**Metroplex Commodore Computer Club**  
**Meeting Place:** Amiga West Chapter, Texas  
 College of Osteopathic Medicine, Fort Worth  
**When:** 2nd Thurs, 7:00 PM  
**Interests:** Amiga  
 Contact: Jack Smith  
 (817) 924-9289  
**Mailing address:**  
 P.O. Box 813  
 Bedford, TX 76095

**Metroplex Commodore Computer Club**  
**Meeting Place:** Amiga By-The-Loop Chapter,  
 North Richland Hills Community Center  
**When:** 2nd Tues, 7:00 PM  
**Interests:** Amiga  
 Contact: David Owens  
 (817) 577-2304  
**Mailing address:**  
 P.O. Box 813  
 Bedford, TX 76095

**Metroplex Commodore Computer Club**  
**Meeting Place:** Amiga Central Chapter,  
 Arlington Community Center, Arlington  
**When:** 3rd Thurs, 7:00 PM  
**Interests:** Amiga  
 Contact: Ray Howard  
 (214) 660-4819  
**Mailing address:**  
 P.O. Box 813  
 Bedford, TX 76095

**TOTCOM**  
**Meeting Place:** LTV  
 530 West Brown, Pampa  
**When:** 1st & 3rd Thur, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Sid Robinson

**TRICUG**  
**Meeting Place:** call for meeting place  
 Amarillo  
**When:** 2nd Sat, 10-12 Noon  
**Interests:** Amiga/Commodore/MS-DOS  
 Contact: Wayne Martin  
 (806) 355-4577

**Technical Analysis Software Users Group**  
**TASUG**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
 Contact: Mike Mead  
**Mailing address:**  
 2112 Covered Wagon  
 Plano, TX 75074

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**Texas Commodore UG**  
**Meeting Place:** Lewis Hunnicutt's House  
Royse City  
**When:** call for day and time.  
**Contact:** Lewis Hunnicutt  
(214) 635-9005

## # UTAH #

**Amiga Round Table**  
**ART**  
**Meeting Place:** Weber State College, Lind  
Lecture Hall, Rm126  
Ogden  
**When:** 2nd Sat, 11 AM  
**Interests:** Amiga  
**Contact:** Leonard Larsen  
(801) 825-8121  
**Mailing address:**  
P.O. Box 602  
Clearfield, UT 84015

**BYU Amiga Users Group**  
**Meeting Place:** 258 ELWC on the Brigham  
Young University  
Provo  
**When:** 2nd & 4th Sat, 10 AM  
**Interests:** Amiga  
**Contact:** Brian Koetting  
(801) 377-2269

## # VERMONT #

**Champlain Valley Commodore UG**  
**Meeting Place:** S. Burlington Middle School  
(cafeteria)  
S. Burlington  
**When:** Last Wed, 7-9 PM  
**Interests:** Amiga/Commodore  
**Contact:** Steve Lippert  
(802) 658-4160

## # VIRGINIA #

**Amigold Life-Form Association**  
**A.L.F.A.**  
**Meeting Place:** Thomas Nelson Community  
College, Gator Room  
**When:** 2nd Mon, 7 PM  
**Interests:** Amiga  
**Contact:** Norm Goswick  
(804) 865-7903  
**Mailing address:**  
PK Birkmeyer  
4706 Maser Court  
Hampton, VA 23666

**CURVE**  
**Meeting Place:** Dumbarton Library, Staples  
Mill Penick  
Richmond  
**When:** 3rd Mon, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Kent Durvin  
(804) 321-5057

**Capital Area Commodore Enthusiasts**  
**Meeting Place:** Tysons- Pimmit Regional  
Library  
Fairfax City  
**When:** 4th Sat, 1:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** William Tyler  
(703) 471-0442

**Computer Club of South West Virginia**  
**Meeting Place:** Salem Civic Center  
**When:** 2nd Tues, 6-9 PM  
**Interests:** Graphics and games  
**Contact:** Carl Shermat  
(703) 562-1767 Voice 9 AM -9 PM  
**Mailing address:**  
P.O. Box 727  
Salem, VA 24153

**Portsmouth Commodore UG**  
**Meeting Place:** Portsmouth Catholic  
Elementary School  
Portsmouth  
**When:** 4th Tue, 7:30 PM  
**Interests:** Amiga/Commodore  
**Contact:** Louis Parker  
(804) 488-2249

**R.A.G.**  
**Meeting Place:** Dumbarton Library  
Richmond  
**When:** 4th Sat  
**Interests:** Amiga  
**Contact:** Bob Fisher  
(804) 353-0225

**Tidewater Commodore UG**  
**Meeting Place:** Open Door Chapel (rear)  
Virginia Beach  
**When:** 2nd & 4th Thur, 7 PM  
**Interests:** Amiga/Commodore  
(804) 588-5617

**Washington Area Commodore UG**  
**Meeting Place:** George Mason High School  
7124 Leesburg Pike, Falls Church  
**When:** 3rd Sat  
**Interests:** Amiga/Commodore  
**Contact:** John Krout  
(703) 273-6074

## # WASHINGTON #

**AMUSE**  
**Meeting Place:** Lake Hills Library  
15228 Lake Hills Blvd, Bellevue  
**When:** Sat, 4:30 PM  
**Interests:** Amiga  
**Contact:** Jim Boydston  
(206) 255-2043

**Amiga First Users Group of Spokane**  
**AFUGS**  
**Meeting Place:** Various Amiga Dealers in  
Spokane  
**When:** 2nd Wed, 7PM  
**Interests:** Amiga  
**Contact:** Dave Harris  
(503) 299-7543  
**Mailing address:**  
Rt. 2 Box 10R7  
Espanola, WA 99022

**Bellingham Amiga Users**  
**Bel-Ami**  
**Meeting Place:** Bond Hall Room 104/105  
Western Washington Campus (visitors  
welcome)  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga  
**Contact:** T. Scott  
**Mailing address:**  
P.O. Box 786  
Bellingham, WA 98227-0786

**Blue Mountain Commodore UG**  
**Meeting Place:** Labor Council Building  
Walla Walla  
**When:** 3rd Tues, 7:30 PM  
**Interests:** Amiga/Commodore/MS-DOS  
**Contact:** Sam Southall  
(509) 529-2995  
**Mailing address:**  
702 E. Alder  
Walla Walla, WA 99362

**Island Commodore UG**  
**Meeting Place:** Harbor Towers  
7330 700th Ave W Oak, Harbor  
**When:** 2nd Sat, 7:30 PM  
**Interests:** Commodore  
**Contact:** Carole Czaplinski  
(206) 679-4450

**Lacey/Olympia/Tumwater Amiga Users' Group**  
**LOTAUG**  
**Meeting Place:** Olympia Community Center,  
Room 103  
222 Columbia Street Olympia, WA 98501  
**When:** June-September, 1st Tues, 6:30-10:00.  
Oct-May, 1st Sat, 12:30-4:30  
**Contact:** Ed Kivi or John Freeland  
(206) 491-6122 Ed Kivi  
(206) 456-2877 John Freeland

**O.P.U.G.**  
**Meeting Place:** Agnew Community Hall  
Port Angeles  
**When:** 2nd Thur, 7:30 PM  
**Interests:** Commodore  
**Contact:** James Rosand  
(206) 452-8601 BBS

**S.T.A.G.**  
**Meeting Place:** Bates V. Tech  
2201 S. 78th St, Tacoma  
**When:** 2nd Tue, 7 PM  
**Interests:** Amiga  
**Contact:** Ralph Redjou  
(206) 581-2993

**SWAMI**  
**Meeting Place:** Take A Byte Computers  
815 W. Columbia Dr, Kennewick  
**When:** 2nd Thur, 7 PM  
**Interests:** Amiga  
**Contact:** Chris Bosted  
(509) 375-7709

**UPCHUG**  
**Meeting Place:** Fircrest Recreation Center  
Tacoma  
**When:** 2nd & 4th Thur, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** David Ockrassa  
(206) 832-3359

**Vancouver Amiga User Group**  
**VAUG**  
**Meeting Place:** Smokey's Pizza  
Hazelville  
**When:** 2nd Mon, 7:30 PM  
**Interests:** Amiga  
**Contact:** Dan Edwards  
(206) 896-9834  
(206) 695-3630 BBS  
**Mailing address:**  
P.O. Box 84544  
Vancouver, WA 98684-0544

**WACKO Walla Walla Computer Users**  
**Meeting Place:** Life Science Center, Main  
Lecture Hall  
Walla Walla College, College Place  
**When:** 3rd Sun, 2 PM  
**Contact:** Richard Daley

## # WEST VIRGINIA #

**BUG 20/64 Bluefield UG**  
**Meeting Place:** Humana St. Lukes  
Southview Dr, Bluefield  
**When:** 2nd Mon  
**Interests:** Commodore  
**Contact:** John Knowles  
(703) 326-2140

## # WISCONSIN #

**CHIPS**  
**Meeting Place:** 800 East Kilbourn  
West Bend  
**When:** 2nd Wed & 4th Thur, 6:30 PM  
**Interests:** Commodore  
**Contact:** Thomas Daley  
(414) 338-3047

**Club Commodore**  
**Meeting Place:**  
**When:**

**Contact:** Tom Dunk, President  
(414) 554-5952 BBS  
Roger Christensen, System Operator  
**Mailing address:**  
Club Commodore  
P.O. Box 085682  
Racine, WI 53408

**Lakeshore Commodore Core**  
**Meeting Place:** Lakeshore Tech College (conf  
rm A)  
Cleveland  
**When:** 2nd Wed, 7 PM  
**Interests:** Amiga/Commodore  
**Contact:** Merwyn Beyer

**Milwaukee Area Commodore Enthusiasts**  
**MACE**  
**Meeting Place:** American Legion Post  
9153 W. Beloit Road (one block south of 92nd  
and Oklahoma Ave.)  
**When:** 2nd & 4th Mon, 7 PM  
**Interests:** Amiga  
**Contact:** Mike Mrstik  
(414) 645-0951  
**Mailing address:**  
P.O. Box 26216  
Milwaukee, WI 53226

## # WYOMING #

**Casper Commodore User Group**  
**CCUG**  
**Meeting Place:** Crazy Mountain Software  
511 E. Sunset Street Casper  
**When:** Call for details  
**Interests:** Amiga/Commodore 64  
**Contact:** Roy Pahnke  
(307) 577-1963

**Cheyenne Association**  
**Meeting Place:** Laramie County Library  
2800 Central Ave, Cheyenne  
**When:** 1st Thur, 7 PM  
**Interests:** Commodore  
**Contact:** Gene Rugotzke

## # AUSTRALIA #

**Adelaide Amiga user group**  
**ADAM**  
**Meeting Place:** Mawson High School Library  
Colton Ave.  
Hove Adelaide  
**When:** Every Mon  
**Interests:** Amiga  
**Contact:** A. Wilson  
**Mailing address:**  
G.P.O. Box 332  
Adelaide, South Australia, 5000

**Albury Wodonga CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
P.O. Box 1014  
Albury, NSW 2640  
Australia,

**Amiga Burwood UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
Amiga Burwood UG  
P.O. Box 308  
Burwood, NSW 2134,  
Australia

**Amiga UG (Vic) Inc**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
Amiga UG (Vic) Inc  
P.O. Box 48  
Boronja, VIC 3155,  
Australia

**Amiga UG of NT**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
Amiga UG of NT  
P.O. Box 3895  
Winnellie, NT 0821,  
Australia

**Amiga UG of SA**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
Amiga UG of SA  
P.O. Box 10131  
Adelaide, SA 5001,  
Australia

**Amiga UG of WA Inc.**  
**Meeting Place:** Curtin University, Bentley  
**When:** 2nd Tues, Tutorials every Friday  
**Interests:** Newsletter: AUGMENT  
**Contact:** Bill Charpe-Smith, President  
(011) 619-362-3539 B. Charpe-Smith  
(011) 619-279-2778 Arthur Rutland  
**Mailing address:**  
Amiga UG of WA Inc.  
P.O. Box 595  
Cloverdale, WA 6105,  
Australia

**Amiga User Group of Western Australia Inc.**  
**AUGWA**  
**Meeting Place:** Curtin University, Bentley  
**When:** 2nd Tues  
**Interests:** Amiga  
**Contact:** Bill Sharpe-Smith  
(011) 619-362-3539  
(011) 619-725-4689 FAX  
**Mailing address:**  
Amiga Users Group of W.A. Inc.  
P.O. Box 595  
Cloverdale W.A. 6105

**Armidale Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
Armidale Amiga UG  
3/217 Beardy Street  
Armidale, NSW 2350,  
Australia

**Australian Amiga UG**  
**Meeting Place:**  
**When:** 2nd Sat  
**Interests:** Publication: Australian Amiga  
(011) 6176-932-198  
**Mailing address:**  
Australian Amiga UG  
P.O. Box 1386  
Toowoomba, QLD 4350,  
Australia

**Australian Amiga Users Association**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
Australian Amiga Users Association  
P.O. Box 389  
Penrith, NSW 2750,  
Australia

**Balaclava UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
Balaclava UG  
3/2 Almond Avenue  
Brooklyn, VIC 3025,  
Australia

# User's Groups

**Barossa UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Barossa UG  
 B&D Box 1 Daveyston  
 Greenock, SA 5300,  
 Australia

**Border District CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Border District CUG  
 P.O. Box 536  
 Wodonga, VIC 3090,  
 Australia

**Brisbane Amiga UG Inc**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Brisbane Amiga UG Inc.  
 Lot 4 Lindsay Road  
 Morayfield, QLD 4500,  
 Australia

**Bundaberg CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Bundaberg CUG  
 P.O. Box 1599  
 Bundaberg, QLD 4670,  
 Australia

**Burnie Commodore Amiga UG**  
**Meeting Place:** Mooreville Road campus of  
 TAFE  
**When:** 2nd Tues, (except school holidays)  
**Interests:** Newsletter: B.C.A.U.G. News  
 Contact: Clyde McLennen, President  
**Mailing address:**  
 Burnie Commodore Amiga UG  
 P.O. Box 471  
 Burnie TAS 7320,  
 Australia

**CAUSE**  
**Meeting Place:** Seventh Day Adventist Church  
 Hall  
 3 Macleay St, Turner  
**When:** 2nd Thur, 8 PM  
**Interests:** Amiga  
 Contact: John Buttle  
 (011) 616-251-4141  
 (011) 616-255-1469 BBS

**Canberra Amiga Users Society**  
**CAUSE**  
**Meeting Place:** Canerra Workers Club  
**When:** 2nd Thurs, 7 PM  
**Interests:** Amiga  
 Contact: Paul Martin  
 (011) 616-253-2121  
**Mailing address:**  
 GPO Box 596  
 Canberra City  
 ACT 2601 Australia,

**Canberra UG ACT Inc.**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Canberra UG ACT Inc.  
 P.O. Box 409  
 Curtin, ACT 2005,  
 Australia

**Computer Users Groups of Australia**  
**Meeting Place:** St. Peters Lutheran Church  
 Hall  
 Hadley & Grand St Pittsworth, Qld  
**When:** 1st Sat  
**Interests:** Amiga  
 Contact: Ross Hall

**Commodore CUG (WA)**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Commodore CUG (WA)  
 234 Balcatta Road  
 Gwelup, WA 6021,  
 Australia

**Commodore CUG Inc**  
**CCUG Inc**  
**Meeting Place:**  
**When:**  
**Interests:** Cursor-Newsletter  
 Contact: Greg Perry, President  
 (011) 617-366-3295 Greg Perry  
 (011) 617-209-9084 Mike Williams  
 (011) 617-808-7694 BBS  
**Mailing address:**  
 Commodore CUG Inc.  
 P.O. Box 274  
 Springwood, QLD 4127,  
 Australia

**Commodore Computer Club WA**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Commodore Computer Club WA  
 P.O. Box 146  
 Willetton, WA 6155,  
 Australia

**Commodore Hornsby UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Commodore Hornsby UG  
 P.O. Box 1578, Hornsby  
 Northgate, NSW 2077,  
 Australia

**Commodore UG Mackay**  
**Meeting Place:** Mackay & District Education  
 Center North Mackay  
**When:** 2nd Wed, 7:30 PM  
 Contact: Trevor Johnston  
 (011) 617-959-8417  
**Mailing address:**  
 Commodore UG Mackay  
 P.O. Box 422  
 Mackay, QLD 4740,  
 Australia

**Compu-Tech Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Compu-Tech Computer Club  
 15 Hazelton Grove  
 Gateshead, NSW 2290,  
 Australia

**Cooma Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Cooma Amiga UG  
 P.O. Box 409  
 Cooma, NSW 2630,  
 Australia

**CRI CUG**  
**Meeting Place:** VRI Hall Stewart Street  
 Braybrook  
**When:** 3rd Sun, 7:30 PM  
 Contact: Rod Mason, President  
 (011) 613-314-5677 Steve Riepsamen  
 (011) 613-306-4063 Rod Mason

**CUG (VIC)**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 CUG (VIC)  
 1 Argyle Street  
 Gladstone, VIC 3140,  
 Australia

**CUG of Australia**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 CUG of Australia  
 P.O. Box 166  
 Pittsworth, QLD 4350,  
 Australia

**Dingly CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Dingly CUG  
 1 Hazelwood Close  
 Dingley, VIC 3172,  
 Australia

**East Coast Amiga**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 East Coast Amiga  
 P.O. Box 344  
 Gosford, NSW 2250,  
 Australia

**Eastern Suburbs CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Eastern Suburbs CUG  
 P.O. Box 236  
 Botany, NSW 2019,  
 Australia

**Eastern Suburbs Eighty UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Eastern Suburbs Eighty UG  
 17 Douglas Avenue  
 Box Hill South, VIC 3128,  
 Australia

**Gladstone Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Gladstone Amiga UG  
 P.O. Box 1390  
 Gladstone, QLD 4600,  
 Australia

**Hedland CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Hedland CUG  
 5a Baler Close  
 South Hedland, WA 6722,  
 Australia

**Ipswich CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Ipswich CUG  
 P.O. Box 252  
 Ipswich, QLD 4305,  
 Australia

**Knoxcom Incorporated**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Knoxcom Incorporated  
 P.O. Box 2000  
 Ferntree Gully, VIC 3156,  
 Australia

**MacQuarie Fields UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 MacQuarie Fields UG  
 32 Rosewood Drive  
 MacQuarie Fields NSW 2564,  
 Australia

**Melbourne Commodore Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Melbourne Commodore Computer Club  
 P.O. Box 177  
 Box Hill, VIC 3128,  
 Australia

**Moe CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Moe CUG  
 20 Edward Crescent  
 Trafalgar, VIC 3824,  
 Australia

**Mount Isa Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Mount Isa Amiga UG  
 P.O. Box 1722  
 Mount Isa, QLD 4825,  
 Australia

**Newcastle CUG**  
**Meeting Place:** Charlestown Public Library  
 Ridley Street, Charlestown  
**When:** 4th Tues, 7 PM  
**Interests:** Newsletter: VICTIM  
 Contact: Marcus Graham or Sue Slack  
 (011) 6149-634-952  
 (011) 6149-471-118  
**Mailing address:**  
 Newcastle CUG  
 4/13 Smart Street  
 Charlestown, NSW 2290,  
 Australia

**Northern Amiga UG**  
**Meeting Place:**  
**When:**  
**Interests:** Newsletter of the Northern Amiga  
 User Group  
 Contact: Marc Katona, President  
**Mailing address:**  
 Northern Amiga UG  
 P.O. Box 1722  
 Mount Isa, QLD 4825,  
 Australia

**Penrith CUG**  
**Meeting Place:** Victoria Street Community  
 Cottage  
 Victoria St., Werrington  
**When:** 3rd Wed, 7:30 PM  
 Contact: Gary Bull, President  
 (011) 612-670-3207  
 (011) 612-623-4258 after 5  
**Mailing address:**  
 Penrith CUG  
 42 Alpine Circuit  
 St. Clair, NSW 2759,  
 Australia

**Perth Commodore & Amiga UG**  
**Meeting Place:** Les Hansman Centre, 246  
 Walter Road  
 Morley  
**When:** Every Thurs, 7-9:30 PM  
 Contact: John Roe  
 (011) 619-276-6287  
**Mailing address:**  
 Perth Commodore & Amiga UG  
 22 Marriot Way  
 Morley WA 6062,  
 Australia

**RAAF Richmond Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 RAAF Richmond Computer Club  
 C/-CTS, SSSRIC, RAAF Base  
 Richmond, NSW 2755,  
 Australia

**S.A.C.C.U.G.**  
**Meeting Place:** North Adelaide Primary School  
 Tynte Street  
 North Adelaide  
**When:** 1st & 3rd Mon, 7:30 PM  
**Interests:** Newsletter: Bits and Bytes  
 Contact: Glenn, President  
**Mailing address:**  
 S.A.C.C.U.G.  
 P.O. Box 427  
 North Adelaide SA 5006,  
 Australia

**Shepparton Commodore Computer Club**  
**Meeting Place:** Guide Hall Center of Nixon &  
 Skene Street  
 Shepparton  
**When:** Fortnightly on Sun, 7:30-9:00 PM  
 Contact: Val Hutchinson

**Singleton Amiga UG**  
**Meeting Place:** Staff Room of the Singleton  
 Heights Public School  
**When:** 2nd Wed, 7 PM  
 Contact: Ken Gate, Chairman  
**Mailing address:**  
 Singleton Amiga UG  
 22 Falkiner Crescent  
 Singleton Heights,  
 NSW 2330 Australia

**Southern Districts CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Southern Districts CUG  
 1 Birubi Way  
 Morphett Vale, SA 5162,  
 Australia

**Stawell CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Stawell CUG  
 P.O. Box 299  
 Stawell, VIC 3380,  
 Australia

**Sydcorn**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Sydcorn  
 GPO Box 1542  
 Sydney, NSW 2001,  
 Australia

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**Tasmanian Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Tasmanian Amiga UG  
 6A Hamilton St.  
 Launceston, TAS 7250,  
 Australia

**Tasmanian Commodore Users Association**  
**Meeting Place:** Glenorchy Derwent Regional Library, Terry Street, Glenorchy  
**When:** 7:30 PM  
**Interests:** Newsletter: Discourse  
 Contact: Kaz Paul, President  
**Mailing address:**  
 Tasmanian Commodore Users Association  
 P.O. Box 673 GPO  
 Hobart, TAS,  
 Australia

**The Amiga Users Group Inc.**  
**Meeting Place:** Victoria College, Burwood Campus, Theatre 1  
**When:** 3rd Sun, 2 PM  
**Interests:** Amiga  
 Contact: L.A. Beranek  
 (011) 613-527-1995  
 (011) 613-376-3887 BBS  
 (011) 613-376-7375 BBS  
**Mailing address:**  
 P.O. Box 684E  
 Melbourne,  
 3001 Australia

**Tuggerah Lakes CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Tuggerah Lakes CUG  
 P.O. Box 2257  
 Gosford, NSW 2250,  
 Australia

**VK Commodore UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 VK Commodore UG  
 P.O. Box 168  
 Launceston, TAS 7467,  
 Australia

**VRI CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 VRI CUG  
 P.O. Box 253  
 Glenroy, VIC 3040,  
 Australia

**West Coast CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 West Coast CUG  
 8 Hurst Street  
 Queenstown, TAS 7467,  
 Australia

**Whyalla CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Whyalla CUG  
 P.O. Box 2367  
 Whyalla (Norrie), SA 5608,  
 Australia

**Wollongong Amiga UG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Wollongong Amiga UG  
 42 Heaslip Street  
 Coniston, NSW 2500,  
 Australia

**Yarra Valley CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Yarra Valley CUG  
 P.O. Box 170  
 Lilydale, VIC 3140,  
 Australia

## # BRAZIL #

**Synthesis**  
**Meeting Place:** 30260 Belo Horizonte MG  
**When:** Weekends  
**Interests:** Amiga  
 Contact: Alvaro Angelo  
 5531-467-1480  
**Mailing address:**  
 Rua Euclasio 357/503  
 30260 Belo Horizonte  
 MG, Brazil,

## # CANADA #

**AMUC**  
**Meeting Place:** University of Calgary, Craigie Hall (RM CH119)  
 Calgary  
**When:** 3RD Wed, 7 PM  
**Interests:** Amiga  
 Contact: Dale Schofield  
 (403) 293-7102

**Amici Amiga**  
**Meeting Place:** National Research Council, Auditorium  
 100 Sussex Dr, Ottawa  
**When:** 2nd Wed, 7:30 PM  
**Interests:** Amiga  
 Contact: Walt Sullivan  
**Mailing address:**  
 5 Commanche Dr.  
 Nepean  
 Ontario, Canada, K2E 6E8

**Amiga Alliance, Amiga Users of North Bay**  
**Meeting Place:** Nipissig University Room A250  
**When:** 2nd Wed, 7:30 PM  
**Interests:** Amiga products and software  
 Contact: Richard Blaszczyk  
 (705) 474-6487  
**Mailing address:**  
 17 Pollard Avenue  
 North Bay, Ontario  
 Canada,  
 P1A 1Z4

**Amiga-Based User Group**  
**ABUG**  
**Meeting Place:** 519 Church Street, Toronto, Ontario, Canada  
**When:** 3rd Sun, 2-5 PM  
**Interests:** Amiga  
 Contact: Chris Larcombe  
 (416) 498-7000  
**Mailing address:**  
 1795 Meadowview Avenue  
 Pickering, Ontario  
 Canada L1V 3G7,

**Brampton Commodore UG**  
**Meeting Place:** Chingscousy Library-Bramalea Brampton  
**When:** 2nd Mon (except July-August), 7-9 PM  
**Interests:** Amiga/Commodore  
 Contact: Daniel Berg  
 (705) 846-7981

**Calgary Commodore UG**  
**Meeting Place:** Public Lib 616 MacLeod Trail SE  
 Calgary  
**When:** 1st Wed (except July & Aug ), 7:30-11 PM  
**Interests:** Amiga/Commodore  
 Contact: Ralph Dunphy  
 (403) 286-4568

**Commodore Computer Club**  
**Meeting Place:** B.C.I.T. Room 129A  
**When:** 2nd and 4th Wed  
 Contact: Bill Wagstaff  
 (614) 597-1746  
**Mailing address:**  
 P.O. Box 80343  
 South Burnaby, B.C.  
 Canada V5H 3X6,

**Commodore Users of Edmonton**  
**amc.U.E.**  
**Meeting Place:** University of Alberta, Phys Ed Building, Room E120  
**When:** 3rd Thurs, 7 PM  
**Interests:** Amiga  
 Contact: Roger Walker  
 (403) 454-2832 BBS  
**Mailing address:**  
 Peter Dahl, Secretary  
 Box 3155  
 Fort Saskatchewan,  
 Alberta, Canada T86 2T2

**Commodore Users of Edmonton**  
**650C.U.E.**  
**Meeting Place:** Archbishop Jordan High School  
**When:** Last Fri, 7:30 PM  
**Interests:** Commodore  
 Contact: Boh Kadylo  
 (403) 466-7656 BBS

**Kick Start Amiga Users Group**  
**Meeting Place:** Innovision 800 Hanwell Rd., Ste. E  
 Fredericton, N.B. Canada  
**When:** Last Wed, 7-9 PM  
**Interests:** Amigas  
 Contact: Calvin Martin  
 (506) 458-0895  
**Mailing address:**  
 Kick Start Amiga Users Group  
 c/o Calvin Martin  
 155 Aberdeen Street,  
 Fredericton, NB Canada E3B 1R4

**LUGNUTS**  
**Meeting Place:** St. Katherines Library  
 54 Church St.  
**When:** 2nd Thurs, 7:30 PM  
**Interests:** Amiga  
 Contact: Rob Maxwell  
 (416) 227-0609  
**Mailing address:**  
 7 Killarney Crescent  
 Thorold  
 Ontario, Canada, L2V 4C2

**MUG**  
**Meeting Place:** Dieppe Town Hall  
**When:** 1st Tue, 7-10PM  
**Interests:** Amiga/Commodore  
 Contact: Dave Quinn  
 (506) 382-9664

**Midland Commodore UG**  
**Meeting Place:** Midland Centennial Arena Boardroom #1  
 Midland  
**When:** 1st Wed, 7:30 PM  
**Interests:** Amiga/Commodore  
 Contact: Frank Murphy  
 (705) 549-7397 BBS

**North Bay Commodore UG**  
**Meeting Place:** Ministry of Transportation North Bay  
**When:** 1st Wed, 7 PM  
**Interests:** Amiga/Commodore  
 Contact: Fred Miller  
 (705) 474-8714

**Pleasantville Commodore UG**  
**Meeting Place:** Bldg 308, Langley Rd St. John's  
**When:** 2nd Tue, 8 PM  
**Interests:** Amiga/Commodore  
 Contact: Michael Sullivan  
 (709) 726-0136

**Port Coquitlam Computer Club**  
**Meeting Place:** Hyde Creek Centre  
 1379 Laurier Port, Coquitlam  
**When:** 1st & 3rd Tue  
**Interests:** Amiga/Commodore  
 Contact: Michael Evans  
 (604) 942-4286

**The Amiga Manitoba User Group**  
**AMUG**  
**Meeting Place:** The Manitoba Hydro Building  
 820 Taylor  
 Winnipeg, Manitoba  
**When:** Last Tues, 7:30 PM  
**Interests:** Amiga  
 Contact: Nick Blazanovic  
 (204) 786-7850 BBS  
**Mailing address:**  
 BOX 98 ST. Norbert Station  
 Winnipeg  
 Manitoba, Canada, R3V 1L5

**Toronto Pet Users Group, Inc**  
**TPUG**  
**Meeting Place:** York Public Library, Story Hour Room, downstairs  
 1745 Eglinton Ave W.(one block east of Dufferin)  
**When:** 2nd Tues (except July and August) at 7:30 PM  
**Interests:** Central Amiga  
 Contact: George Skinner  
 (416) 225-8538 (evenings)  
**Mailing address:**  
 5334 Yonge St.  
 Box #116  
 Willowdale, Ontario,  
 Canada M2N 6M2

## # JAPAN #

**Commodore Fan Club**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga, Commodore  
 Contact: Koji Sugimura  
**Mailing address:**  
 Commodore Fan Club  
 Higashi-Taishi  
 Yao, Osaka,  
 Japan

## # NEW ZEALAND #

**Amiga User Group of N.Z.**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Amiga User Group of N.Z.  
 P.O. Box 35107  
 Christchurch, NZ,

**Christchurch CUG**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 Christchurch CUG  
 P.O. Box 4665  
 Christchurch,,  
 New Zealand

**NZ Micro Computer Club**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 NZ Micro Computer Club  
 P.O. Box 6210  
 Auckland, NZ,

**New Zealand Amiga User Group**  
**Meeting Place:**  
**When:**  
**Mailing address:**  
 New Zealand Amiga User Group  
 P.O. Box 85094, Sunnynook  
 Auckland, NZ, NZ10,

## # SWEDEN #

**Amiga C Club**  
**ACC**  
**Meeting Place:**  
**When:**  
**Interests:** C programming  
**Mailing address:**  
 Amiga C Club  
 Tulevagen 22  
 181 41 LIDINGO,  
 SWEDEN

## # SWITZERLAND #

**SAUG Computer Club (Swiss Amiga User Group)**  
**SAUG**  
**Meeting Place:** Hotel Lowen Widnau  
**When:** 1st Mon, 7:30 PM  
**Interests:** Amiga  
 Contact: E. Frei, Unterdorfstr. 8a  
 (011) 417-172-3313  
**Mailing address:**  
 E. Frei, Unterdorfstr. 8a  
 CH-9443 Widnau  
 Switzerland,

## # THE NETHERLANDS #

**Amiga Systems Foundation**  
**Meeting Place:**  
**When:**  
**Interests:** Amiga  
 (011) 3120-664-3379 BBS  
**Mailing address:**  
 P.O. Box 70348  
 1007 KH  
 Amsterdam,  
 The Netherlands



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**3 Leaf Productions**  
500 Lake Marina Drive  
Suite #214  
New Orleans, LA 70124  
(504) 289-5644 voice  
(504) 467-7171 orders  
FAX (504) 838-9174

**3-Dimensions**  
1845 Doris Dr.  
Menlo Park, CA 94025  
(415) 327-5539  
FAX (415) 365-2043

**3W Computer Games, Inc.**  
P. O. Box F  
Cambria, CA 09342  
(805) 927-5439

**80 Track Software**  
P.O. Box 309  
Oceanside, NY 11572  
(516) 679-9631  
FAX (516) 763-4745

**A+L AG**  
Daderich 61  
2540 Granchen  
Switzerland,  
(011) 416-552-0311  
FAX (011) 416-552-0379

**A-Squared Distributions, Inc.**  
6114 LaSalle Ave.  
Oakland, CA 94611  
(415) 339-0339

**A.D.I.**  
3514 Olive Street  
Huntington Park, CA 90255  
(213) 581-1188  
FAX (213) 581-1492

**Abacus Software**  
5370 52nd Street S.E.  
Grand Rapids, MI 49512  
(616) 698-0330  
FAX (616) 698-0325

**Absoft Corp.**  
2781 Bond St.  
Rochester Hill, MI 48309  
(313) 853-0050

**ACDA Corporation**  
220 Belle Meade Ave.  
Setauket, NY 11733  
(516) 689-7722

**Academy Software, Inc.**  
P. O. Box 6277  
San Rafael, CA 94903  
(415) 499-0850

**Access Software, Inc.**  
545 West 500 South Ste. 130  
Bountiful, UT 84010  
(800) 800-4880  
(801) 359-2900

**Access Technologies, Inc.**  
P.O. Box 202197  
Austin, TX 78720  
(512) 343-9564

**Accolade**  
550 S. Winchester Blvd. Ste. 200  
San Jose, CA 95128  
(408) 985-1700  
FAX (408) 246-0885

**Acorn Of Indiana**  
2721 Ohio Street  
Michigan City, IN 46360  
(219) 879-2284

**Action Graphics**  
4725 Dorsey Hall Dr.  
Ellicott City, MD 21043  
(301) 992-0749

**Actionware**  
38 W. 255 Deerpath Rd.  
Batavia, IL 60510  
(800) 948-2333  
(708) 879-8998

**Activa International B.V.**  
P.O. Box 2360  
1100 DT Amsterdam Zuidoo  
The Netherlands  
(011) 312-0691-1914  
FAX (011) 312-0691-5403

**Active Circuits, Inc.**  
1985 Highway 34 Ste. A-4  
Wall, NJ 07719  
(201) 974-1616  
FAX (201) 974-1672

**Activision**  
4600 Bohannon Drive  
Menlo Park, CA 94025  
(415) 329-0800  
FAX (415) 322-0260

**Addison-Wesley Publishing Co.**  
Jacob Way  
Reading, MA 01867  
(800) 447-2226  
(617) 944-3700  
FAX (617) 942-1117

◆ **Additional Ideas, Inc.**  
1083 McMillan St. NW  
Atlanta, GA 30318  
(404) 872-6151

**Adept Development**  
P.O. Box 20  
1000 Lausanne 5,  
Switzerland  
(011) 4121-312-1202  
FAX (011) 4121-206-509

**Adspec Programming**  
1405 N. Ellsworth Ave.  
Salem, OH 44460  
(216) 337-3325

**Advanced Computer Design**  
Carl Schurz-Str.11  
D-2800 Bremen 1,  
West Germany  
(011) 4942-1349-9517  
FAX (011) 4942-1349-9518

**Advanced Creations Incorporated**  
P.O. Box 31818  
Dayton, OH 45431  
(513) 427-5439  
(800) 837-4851

**Advanced Electronic Applications, Inc.**  
P.O. Box C2160  
2006-196th S.W.  
Lynnwood, WA 98036-0918  
(206) 775-7373  
FAX (206) 775-2340

**Advanced Gravis Computer Technology Ltd.**  
7033 Antrim Ave.  
Burnaby BC,  
Canada C5J 4M5  
(604) 434-7274  
(800) 663-8558  
FAX (604) 434-7274

**Advanced Image**  
2 Townsend Road Rt. 13 S  
Brookline, NH 03033  
(603) 673-0212  
FAX (603) 673-7697

**Advanced Integration Research**  
3006 North Main Street  
Logan, UT 84321  
(801) 752-2501

**Advanced Software Engineering**  
P.O. Box 441  
Sudbury, MA 01776  
(617) 963-8394

**Advanced Storage Systems**  
(div. of Preferred Tech., Inc.)  
14540 E. Beltwood Pkwy  
Dallas, TX 75244  
(214) 702-9191  
(800) 878-0010  
FAX (214) 702-9203

◆ **ALL PRO Film/Video Productions**  
124 West 60th Street  
New York, NY 10023  
(212) 489-5780

**AlliMed**  
297 High Street  
Dedham, MA 02026  
(800) 225-2610  
(617) 329-2900

◆ **Allen Avionics, Inc.**  
224 East Second Street  
Mineola, NY 11501  
(516) 248-8080  
FAX (516) 747-6724

**Allied Studios**  
482 Hayes Street  
San Francisco, CA 94102  
(415) 863-1781

**Aloha Fonts**  
P.O. Box 1112  
Rancho Cordova, CA 95741-1112  
(916) 631-9633  
FAX (916) 635-0475

◆ **AMIGA Tech**  
P.O. Box 201  
Los Altos, CA 94023-0201  
(415) 960-9399

**Amazing Computers**  
1441 E. Fletcher Ave. Ste. 1450  
Tampa, FL 33612  
(813) 977-6511

**Ambrosia Microcomputer Products, Inc.**  
Ste. 371, 98 W. 63rd St.  
Willowbrook, IL 60514  
(708) 655-0610

**American Liquid Light, Inc.**  
2341 W. 205th St. Ste.116  
Torrance, CA 90501  
(213) 618-0274  
FAX (213) 618-1982

**American Software Distributors**  
502 E. Anthony Dr.  
Urbana, IL 61801  
(217) 384-2050

◆ **AmiGrafix, Inc.**  
P.O. Box 2063  
Apopka, FL 32704-2063  
(407) 884-9557

◆ **Amiga C Club**  
Tulevagen 22  
181 41 LIDINGO  
Sweden,

**Amiga Centre Scotland**  
4 Flan Street Lane  
Edinburgh  
EH1 3RN Scotland  
(011) 4431-557-4242  
FAX (011) 4431-557-3260

**Amiga Video Magazine**  
200 W 72nd St., Ste. 53  
New York, NY 10023  
(212) 724-0288

**Amigo Business Computers**  
192 Laurel Road  
E. Northport, NY 11731  
(516) 757-7334  
FAX (516) 757-7234

**AniGraphics**  
P.O. Box 179  
Butler, WI 53007-0179  
(414) 261-8992  
(414) 781-9584 BBS  
FAX (414) 781-9583

**Animated Pixels**  
Albemarle House  
Osborne Rd.  
Southsea, Hampshire,  
PO5 3LB United Kingdom  
(011) 4470-529-1866  
FAX (011) 4470-582-1677

**Antic Software**  
544 Second St.  
San Francisco, CA 94107  
(415) 957-0886  
FAX (415) 882-9502

**APROTEK**  
9323 West Evans Creek Road  
Rogue River, OR 97537  
(503) 582-2120  
(503) 582-2118 Tech

**Applied Creative Arts**  
55 Grace St.  
Malden, MA 02148  
(617) 322-4571

**Applied Engineering**  
P.O. Box 5100  
Carrollton, TX 75011  
(214) 241-6060  
FAX (214) 484-1365

**Applied Optical Media Corp.**  
1450 East Boot Rd., #400  
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# Last Minute Additions

## 1990 College League Season Disk

Be the team of your choice as you compete in last season's NCAA tournament. The disk comes complete with the actual teams, players, and staff from the 1990 college basketball season. You must already own the College League Option Module for this disk to operate properly. SportTime Computer Software, 3941-E So. Bristol St., Ste. 551, Santa Ana, CA 92704, (714) 966-0207 \$14.95

## A2632 32-Bit Memory Board

A 32-bit memory expansion board for the CBM A2630 accelerator (A2500). Uses state-of-the-art 32-bit wide SIMM modules. Has 8 SIMM sockets to allow memory expansion up to 64 or 96MB. 32 bit RAM is faster than the RAM on the A2630. Leaves Zorro config space open for use with ATBridgecard. DKB Software, 50240 W. Pointiac Trail, Wixom, MI 48393, (313) 960-8750 Price TBA

## ACS Harlequin Genlock

A genlock that has been designed specifically for use with the 32-bit Harlequin Framebuffer, providing full broadcast studio requirements for your Harlequin system. With a video mixer and Harlequin Genlock, you can now combine full-color images with your studio, or link up with any other source. Also available with composite, which includes a monitoring encoder giving a BNC composite video output a composite signal to be viewed on a monitor. Requires an Amiga 2000/3000 fitted with a Harlequin Framebuffer. Amiga Centre Scotland, 4 Hart Street Lane, Edinburgh, Scotland EH1 3RN, (011) 4431-557-4242 £420, £620 with composite

## AmigaArcNet

AmigaArcNet software is designed to provide 2.5Mbps Arcnet Local Area Peer-to-Peer networking with Commodore's Arcnet Network Interface Adapters: A560 for the A500, or the A2060 for the A2000 or A3000. The software provides bi-directional communication for up to 256 Amiga computers using Commodore's Arcnet Network Interface Adapters. The AmigaArcNet package consists of software, and a package is required for each computer on the Network. Software \$250 per node or Hardware/Software \$479 per node. Amiga Business Computers, 192 Laurel Road, East Northport, NY 11731, (516) 757-7334

## AmigoEtherNet

AmigoEtherNet software is designed to provide 10Mbps Arcnet Local Area Peer-to-Peer networking with Commodore's Ethernet Network Interface Adapter: A2065 for the A2000 or A3000. The software provides bi-directional communication for up to 16 million Amiga computers in Commodore's Ethernet Network Adapters. The AmigoEtherNet package consists of software, and a package is required for each computer on the Network. Software \$250 per node or Hardware/Software \$581 per node. Amigo Business Computers, 192 Laurel Road, East Northport, NY 11731, (516) 757-7334

## AmigoNet

Serial port networking software for the family of Amiga computers. The software is designed to be used on the serial port of all Amigas and the computers may be networked with Amigo's serial port expansion (eight channels) card Comports on an Amiga 2000 or 3000. Amigo Business Computers, 192 Laurel Road, East Northport, NY 11731, (516) 757-7334 \$250.00

## AmigoParNet

Parallel port networking software and hardware for the family of Amiga Computers. The software is designed to provide bi-directional communication for up to 16 Amiga computers on the parallel port. The AmigoParNet package consists of software, and a tee for daisy chaining three computers on the parallel port. A buffer pass thru connector is provided to add additional computers to the network and to allow for increased cable distance between them, \$35. Amigo Business Computers, 192 Laurel Road, East Northport, NY 11731, (516) 757-7334 \$250.00

## Art Department 2.0

JPEG compression, 24-bit plane printing through Preferences, support of new display boards, better color technology and faster performance highlight the new release. Version 2.0 also adds a number of new file formats (including MicroSoft Windows BMP files), display boards (DCTV, IV24, ACS Harlequin), and operators (including a WYSIWYG anti-aliased text operator which utilizes the scalable font technology in Kickstart 2.0). Other new features include a Universal loader which automatically detects and decodes most image file formats, more WYSIWYG operators, and user interface enhancements. Upgrade \$75. ASDG, Inc., 925 Stewart Street, Madison, WI 53713, (608) 273-6585 \$299

## Australian Graphic Atlas 3.0

The Australian Graphic Atlas for the Amiga is ideal for teachers to illustrate their lessons on geography. Using maps of Australia and the states, provide quick access to any part of the country and any type of map. Entirely mouse and menu driven, it features the ability to show maps of climate, land use, flora, fauna, population, minerals, and soils. Each capital city is also featured with its own map and detailed

information. Six disks and over 60 screens of maps. All maps are IFF compatible; PAL; automatic hard-disk installation. A demo disk is available. AmigaVision required. HC Software Australia, GPO Box 2204, Adelaide, Australia 5001, (011) 618-262-4461. \$89.95

## Auto Race Thrills

Prod code MGLD.504. Thirty-nine digitized and drawn color images and artwork of NHRA dragsters, NASCAR racing, SCCA race cars, dirt racing, race engines, and other racing related images in 352 x 480 formats. All digitized images were created directly from 24-bit images. Includes drawn and animated racing flags in hi-res. Digital Designs Group, P.O. Box 593, MDG Studio II, Hwy. 701, Whiteville, NC 28472, (919) 642-6295 \$49.95

## Best Business Management 3.0

This program includes a general ledger, accounts receivable, accounts payable, inventory management, and services management. Other features are expanded sales tax capabilities, print to screen or export to disk, keyboard alternatives to the mouse, and other expanded capacities. Requires 1MB RAM, two drives, hard drive optional. Software Technology, Inc., 10610 SE McLoughlin Blvd., P.O. Box 22066, Portland, OR 97222, (503) 653-2090 \$199.95

## BME (Bit-Map Editor)

BME is a simple bit-map editing program designed specifically for PageStream 2 and HotLinks. BME can edit pictures two ways: either importing IFF, ILBM, and GIF files directly or importing any bitmap graphic format into PageStream and subscribing it into BME via HotLinks. This allows PageStream users the flexibility of editing any type of bitmap graphic format they wish. BME edits any bitmap graphics with cut, copy, paste, fill, and crop. BME will be released as a bundle package with HotLinks and PageLiner. Soft Logik, 11131 S. Towne Square, Ste. F, St. Louis, MO 63123, (314) 894-8608 Price TBA

## CrashCorrector

The CrashCorrector provides simple watchdog circuitry, rebooting the Amiga 2000 or Amiga 3000 in the event of a crash. The unit is a small plastic box with a 9-pin cable and a test clip cable. Velcro mounted units install inside either the A2000 or A3000. The CrashCorrector occupies only the second joystick port for its operation. Adjustable timer period. Transparent operation. Ful SAS C source. Ideal for BBS's, remote sites, and continuous use. Geodesic Publications, P.O. Box 956068, Duluth, CA 30136, (404) 822-0566. \$90

## CrashCorrector\_500

The CrashCorrector\_500 provides simple watchdog circuitry, rebooting the Amiga 500 in the event of a crash. The unit is a small pass-through circuit card that mounts on the Amiga 500 keyboard connector header. Adjustable timer period. Transparent operation. Ful SAS C source. Ideal for BBS's, remote sites, and continuous use. Geodesic Publications, P.O. Box 956068, Duluth, CA 30136, (404) 822-0566. \$70

## Economy Directory

The Economy Directory stands four feet tall and is Amigo's lowest cost interactive Multimedia kiosk. Kiosk contains fan, surge protector, A500DS CPU, 5MB RAM, AmigaVision, and 13-inch Color Touchscreen. Amigo Business Computers, 192 Laurel Road, East Northport, NY 11731, (516) 757-7334. \$2195.00

## EdMark Touch Window

EdMark Touch Screen easily attaches to the front of a 13-inch or 14-inch monitor. The Touch Window comes with Touch Screen Program which works with all authoring software. The Touch Window inputs touch information to the Amiga serial port (RS-232). Amigo Business Computers, 192 Laurel Road, East Northport, NY 11731, (516) 757-7334. \$325.00

## Exhibitor—Integrated Exhibitor Kiosk

Amigo's Exhibitor is a four-foot stand-alone kiosk for computer-based training and other interactive multimedia applications. Kiosk contains fan, surge protector, wiring harnesses, A2000HD with 3MB RAM, 3.5-inch floppy, 50MB hard drive, A10 speaker system, A2300 genlock, 13-inch or 19-inch Color Touchscreen Monitor, and Pioneer LDV-2000 Laser Disc Player. AmigaVision, diagnostic software, touchscreen driver and laser player driver are included. Amigo Business Computers, 192 Laurel Road, East Northport, NY 11731, (516) 757-7334. \$4995

## Exotic Cars Volumes I & II

A two-disk set featuring two sports car objects. One is a silver bullet modeled for American car enthusiasts. The other borrows from European designs. Perfect for film and video. Features include SCENE files for LightWave 3D: Imagine objects load perfectly into Cycle Editor, full articulation (movable doors, windows, headlights, mirrors, and wheels); separate lamps may be illuminated; LoRam (less detailed) objects included. Bump/Color maps for instrumentation, tires, and license plates. Hints and tips for rendering and animation are included. The Imagine version requires 2MB RAM, 3MB recommended. The LightWave 3D version requires 5MB RAM, 7MB recommended. 3D Professional 2.0 version requirements

are not yet set and will be included on the packaging. Foreign distribution will be supported when all three versions are completed and documentation translation is achieved. Available December 1991. AmiGrafix, Inc., P.O. Box 2063, Apopka, FL 32704-2063, (407) 884-9557. \$49.95

## F-15 Strike Eagle II

The classic game of aerial combat roars back to life in the '90s, loaded with fast action and vivid graphics. Dogfighting is the name of the game. Although the sky swarms with bogies, your streamlined weapons console targets enemy planes with the touch of a button to let you concentrate on the action. Enemy pilots and missile crews act and react intelligently. Success depends on making the right moves—fast! MicroProse, 180 Lakefront Dr., Hunt Valley, MD 21030, (301) 771-1151. \$59.95

## Flames of Freedom

The climatic disaster that precipitated a new Ice Age has finally diminished. As the ice and snow begin to melt, the people search for a home safe from the rising seas. But there is no paradise to be found, only the Saharan Empire—a brutal, totalitarian regime determined to control and manipulate everything in its path; an empire so powerful it can only be defeated from within. Your mission: promote discontent and revolution among the empire's populace through high-risk undercover operations. MicroProse, 180 Lakefront Dr., Hunt Valley, MD 21030, (301) 771-1151. \$49.95

## Hard Nova

Assume the identity of the toughest mercenary in the frontier systems, a woman called Nova (or a man called Stark). Dangerous, high-paying jobs flourish on the frontier: run guns, kidnap world leaders, assassinate high-profile corporate presidents, or engage in full-scale guerrilla warfare. The game features three different real-time combat systems: Fight indoors with blasters and grenades; dogfight in hoverships as you hug the contours of a rocky planet; fire mega-cannons and guided missiles in large-scale space combat. Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (415) 571-7171. \$49.95

## IDS MultiBoard

A multi-user BBS system for the Amiga which features up to 32 simultaneous online users, full-featured CB Simulator, remote AmigaDOS CLI access, and real-time user editing. Plus, the system is fully intuition-controlled. The IDS has an open-architecture design, allowing programmers to add unlimited features to the system. It can run as a single user system, using the Amiga's standard serial port, or with up to 32 lines using readily available serial cards such as ASDG's Dual Serial Board. Intercore Development Systems, P.O. Box 76, Nesconset, NY 11767, (516) 361-6998. \$249.99

## Jimmy Connors Pro Tennis Tour

This realistic professional tennis simulation puts you on center court at the tournaments of the world: Wimbledon, the U.S. Open, and more. Are you ready to challenge the pros? Step onto center court, tighten your grip, and watch for more exciting information coming your way soon. UBI Soft, 15 Atwood Ave., Sausalito, CA 94965, (415) 332-8749 \$49.95

## Journey Through A Cell

Interactive journey through plant and animal cells including Photosynthesis. Features scanned images, diagrams, and quizzes. PAL (NTSC soon) AmigaVision required or runtime version extra. HC Software Australia, GPO Box 2204, Adelaide, Australia 5001, (011) 618-262-4461. \$69.95; runtime \$89.95.

## Kaleidokubes

Kaleidokubes is an addictive mind-bender whose game concept appears simple at first, but becomes more complex as the game board fills and the game clock winds down. Similar to a color dominos, your goal is to match the color sides of a randomly generated cube with the cubes already placed on the playing board. The more sides you can match, the greater your score. Artworx, 1844 Penfield Rd., Penfield, NY 14526, (716) 385-6120. \$24.95

## Knights of the Sky

A simulation of aerial combat and gallantry in World War I. You are a hunter stalking Germany's most celebrated pilots, including the infamous Baron Manfred von Richthofen. Using news and intelligence reports as well as your own intuition, you track down the 16 men whose successes diminish your own. In the gallant tradition of the ancient knights, you challenge each to determine who is truly World War I's Ace of Aces. MicroProse, 180 Lakefront Dr., Hunt Valley, MD 21030, (301) 771-1151. \$59.95

## Male and Female

Object design disk. Objects are highly faceted for great smoothing, shading, and texture mapping. These objects are of the same number of points and faces for easy morphing in programs like Lightwave, Imagine, and Draw 4D Pro. The designs are very complete including hair, eyes, ears, and thumbs. Available formats include Sculpt 3D, Sculpt 4D, TurboSilver 3.0, Imagine, Videoscape 3D, Modeler 3D, Lightwave, Draw 4D, and Draw 4D Pro. Earthquake Productions & Publishing, 13351 Foothill Blvd., Fontana, CA 92335, (714) 899-1800. \$34.95

## Materials Texture Library Vol. II: Tiles

A five-disk set of 20 high-quality tile textures suitable for 3-D image wrapping, video and art use. Each color image measures 480 x 480 pixels in HAM mode and is directly compatible with Imagine, Lightwave 3-D, Real 3-D, and Turbo Silver. When used in 24-bit renderings, these HAM textures are virtually indistinguishable from 24-bit versions and don't have the storage and RAM problems found with 24-bit files. MicroSearch, 9896 Southwest Freeway, Houston, TX 77074, (713) 988-2818. \$49.95

## More Worldwide Maps

Product code MGLD.503. Over 200 drawn maps of the 50 states and Puerto Rico, the United States, and the World, plus area maps of every continent, and globe maps from every conceivable view from space including Arctic and Antarctic views. This is the companion map to Worldwide Maps. Digital Designs Group, P.O. Box 593, MDG Studio II, Hwy. 701, Whiteville, NC 28472, (919) 642-6295 \$49.95

## NapGap

Napoleon's Game Assist Program is a wargame calculator for miniature wargames of the Napoleonic era. Based on standard rules and modified by several years of playtesting, it can calculate weather, firearms, vallying, melees, and more. NTSC/PAL. HC Software Australia, GPO Box 2204, Adelaide, Australia 5001, (011) 618-262-4461. \$49.95

## P-NET Cable/Adapter

Parallel network cable or adaptor for use with The Software Distillery's ParNet by Mat Dillon FF400. Allows the connection of two Amigas as a network. Design Computer Systems Inc., 4132 10th Ave. N, Lake Worth, FL 33461, (407) 967-9222. \$24.95

## PageLiner

A text editor for the Amiga. PageLiner is a fast word processing program designed specifically for PageStream 2 and HotLinks. It can edit text by either importing standard ASCII text directly, inserting text from another PageLiner document, typing text directly or importing any text file into PageStream 2 and subscribing it into PageLiner via HotLinks. Soft-Logik currently plans to release PageLiner, HotLinks, and BME as a bundle package. Soft Logik, 11131 S. Towne Square, Ste. F, St. Louis, MO 63123, (314) 894-8608 Price TBA

## PageStream 2.2

This upgrade features enhanced import module and printer driver support, providing users with a wider selection to choose from. Support for plotters has been added. PageStream 2.2 has improved Type 1 extended character set support, and offers a faster font/point dialog box that will display quickly, whether there are 10 or 10,000 fonts. It supports the HotLinks interface. Registered owners of 2.1 and 2.0 will be upgraded automatically, while registered owners of prior versions can upgrade for \$100. Soft Logik, 11131 S. Towne Square, Ste. F, St. Louis, MO 63123, (314) 894-8608 \$299.95

## Presentation Master

A multi-media presentation authoring environment that allows you to import bit-map and EPS images, and data for charts and text. With its object-oriented paint and business graphing modules, Color PostScript output, and graphic presentation authoring environment, Presentation Master gives you all the tools you need to create shows with professional-quality graphics, charts, and text effects. Requires 2MB, KickStart 1.2, and hard drive. Oxi/Aegis inc., P.O. Box 90309, Long Beach, CA 90809, (213) 427-1227 \$399.95

## Presenter—Integrated Presentation Kiosk

Stand-alone four foot kiosk contains fan, surge protector, CDTV 1000 CPU w/CD-ROM, 1MB RAM, AmigaVision, and 13-inch Color Touchscreen monitor. Optional Laser Disc player may be added. Amigo Business Computers, 192 Laurel Road, East Northport, NY 11731, (516) 757-7334. \$3195

## Pro Video CG II

Features include six alphanumeric font styles each in nine sizes. Six styles of Cinnamon Fonts (eight color) for the program. All registered owners of Pro Video CG II will receive a Font Conversion Utility. The Utility will convert old Pro Video fonts and standard bit-mapped Amiga fonts. Line sizes from 16 to 144 scan lines. Increment line size and baseline independently, before, after or during the editing of the line. Other features include auto kerning, selectable spacing between characters, a choice of space sizes when the space bar is pressed, and manual kerning for character's offset from the baseline. Shereff Systems, 15075 SW Koll Parkway, Ste. G, Beaverton, OR 97006, (503) 626-2022. \$199.95, upgrades \$99.95

## Quama Version Control System

QVCS tracks all the changes you make to a file (source or binary), tracks who made the changes, when and why. Retrieve previous revisions of a file. Label all files for a product release. Restrict who can make changes. Supports keyword expansion, file wildcards; configurable for different development styles. Requires 1MB, hard disk, 1.3 or 2.0 NTSC/PAL. Quama Software, 20 Warren Manor Court, cockeysville, MD 21030, (410) 666-5922 \$99.00

## RayDance

Ray-tracing and 3-D animation software. RayDance gives the artist unprecedented power to create his or her vision in photo-realistic 24-bit images. It uses a fast ray-tracing method for optimal visual quality. The RayDance 3-D programming language lets you create natural-looking fractal trees, fractal terrains, or 3-D Mandelbrot landscapes with a single statement, but with lots of variables for diversity. Radiance Software, 2715 Klein Road, San Jose, CA 95148, (408) 270-7420 \$99.95

## Real3D 1.4 upgrade

You already own a Beta version of Real3D 1.4 and we hope that you still enjoy it. Now Real3D has morphing, key frame animation, and 24-bit texture support. Owners of Real3D 1.4 will automatically receive the upgrade. Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914

## Record Manager Information Base V1.4

Information storage and retrieval system. Easy to use, multiple sorts: search by criteria, print by criteria; mailing labels one or two across, number records limited by disk space. NTSC/PAL. HC Software Australia, GPO Box 2204, Adelaide, Australia 5001, (011) 618-262-4461. \$49.95.

## RocLite

A new external floppy drive for the Amiga. This new drive is based on the .75-inch high, low power consumption, slim drive mechanism of the Ultra-slim drive from Rotech. The mechanism is housed in a seamless aluminum/alloy casing. The drive is available in either beige or black. Rotech Electronics Inc., 170 Knowles Drive, Ste. 202, Los Gatos, CA 95030, (408) 379-1713. Under \$140.00

## Silent Service II

Silent Service II updates the classic with advances in sound, graphics, and game design, including new targets and scenarios. Digitized photographs depict enemy ships with uncanny realism. The new campaign option tracks your career with promotions and commendations. Realistic sounds and original music, as well as digitized speech. MicroProse, 180 Lakefront Dr., Hunt Valley, MD 21030, (301) 771-1151. \$59.95

## Space 1889

Space 1889 recreates the solar system as envisioned by the scientific theories of the 19th century, and in the imaginations of such classic writers as Jules Verne, A. Conan Doyle, and H.G. Wells. Imagine outer space is not a vacuum, but is instead filled with luminiferous ether that can be negotiated with modified sailing ships. Imagine further that the planets Mercury, Venus, Mars—even the Moon—are not lifeless, but populated by a variety of bizarre alien cultures. You've just imagined the universe of Space 1889—a mystery/role-playing adventure combining history and classic science fiction. MicroProse, 180 Lakefront Dr., Hunt Valley, MD 21030, (301) 771-1151. \$59.95

## SpaceFonts

SpaceFonts is a 3-D library of fonts. There are 10 typeface families available. The following SpaceFonts are in Imagine, Sculpt, and Real3D format: Rhea, Umbriel, Pandora, Deimos, Charon, Mimas, Phobos, Oberon, Triton, and Titan. SpaceFonts Tools, sold separately, is a font utility for the SpaceFonts. With this program you can alter the size, make the fonts italic or embossed in any direction or in any angle. Activa International B.V., P.O. Box 2360, 1100 DT Amsterdam Zuidooost, The Netherlands, (011) 312-0691-1914

## Starflight 2: Trade Routes of the Cloud Nebula

The Spemian, an arrogant race of slimy blobs, are back—with new weapons, unlimited fuel, and grand hopes of turning the universe into a giant petri dish. You've got charm, wits, and a hot starship, but unless you discover the source of their fuel and technology, you and everyone you know will be serving mucous cocktails to the Spemian overlords. Electronic Arts, 1450 Fashion Island Blvd., San Mateo, CA 94404, (415) 571-7171. \$49.95

## Time Table of the Arts and Entertainment

This latest addition to the Time Table Series contains over 4,000 original stories that start with the first cave paintings and finish with today's computerized choreography and animation. Multimedia effects include museum references, pictures, portraits, quotes, and even music from some of the world's greatest composers. Keyboard and hot word searches allow you to quickly jump from subject to subject. Xiphias, Helms Hall, 8758 Venice Blvd., Los Angeles, CA 90034, (213) 841-2790. Price TBA

## Triple Play Plus

A sophisticated new MIDI interface designed to accommodate Bars&Pipes Professional. Among Triple Play Plus' features are three separately-addressable MIDI outs, allowing for 48 simultaneous MIDI channels at a time. In addition, it includes one MIDI in and one MIDI thru. Users of Bars&Pipes Professional will receive special MIDI Out Tools with their purchase of Triple Play Plus, so that they can utilize the interface from within Bars&Pipes Pro. The Blue Ribbon SoundWorks Ltd., 1293 Briardale NE, Atlanta, GA 30306, (404) 377-1514. \$189

## True-Color Library

Hi-res, true-color 24-bit images for computer artists and designers. The professional quality textures include animal skins to scenics, quarry marble to metals, hand-blown glass to special effects and more. All images have been processed in full 24-bit color depth. Each is severe overscan and has been tested through waveform and vectorscope to insure video safe colors. The initial launch includes five different packages for the Amiga platform. Three packages include a selection of 40 images and are available as 24-bit, IFF, DCTV, or HAM formats. The other two packages are different selections with 15 images each in 24-bit IFF format. Texture City, 3215 Overland Ave., #6167, Los Angeles, CA 90034, (213) 836-9224. \$5139.95-\$299.95

## TV Display

TV Display enables you to visualize 24-bit images on your Amiga without a graphic board and to convert them into another format. You can check your 24-bit images computed in 3-D, and display them in black and white or in color (HAM mode). If you are using a Harlequin Framebuffer, TV Display

allows you to display 24-bit images in any format (for example, RGB Sculpt 3D in 2048 x 1366 resolution) on the screen of your board. NTSC/PAL. Amiga Centre Scotland, 4 Hart Street Lane, Edinburgh, Scotland EH1 3RN, (011) 4431-557-4242 £75

## TV Paint v1.4

32-bit paint package for Harlequin Framebuffer. Advanced features include Density Fills, Transparency, Masking, Gamma Control, Smear, Shade, Colorize, Brush Wrapping, Larger-than-Screen editing, Multi-format support. A powerful image processing tool offering 16.7 million color palette for designing, re-touching and manipulating 32-bit images. Includes slide show utility offering 32 video effects. Requires accelerated Amiga 2000/3000, Harlequin 32-bit Framebuffer, 8MB RAM recommended minimum, AmigaDOS 2.0 compatible. NTSC/PAL. Language support: English, German, and French. Amiga Centre Scotland, 4 Hart Street Lane, Edinburgh, Scotland EH1 3RN, (011) 4431-557-4242 £800.

## TV Record

TV Record is a 24-bit single-frame recording program which allows access to a VLAN (Video Local Area Network) to control a wide range of professional video equipment. Features include loading and saving sequences; record a series of images whose PATTERN and START/END numbers have been defined, negating the need for repetitive commands. Each image or series of images can be recorded during a precise number of frames and at a precise time code. NTSC/PAL. Requires VLAN. Amiga Centre Scotland, 4 Hart Street Lane, Edinburgh, Scotland EH1 3RN, (011) 4431-557-4242 £150

## TV Tools

TV Tools is a global multi-media communication system. It can display images in Amiga or 32-bit format with video effects, play animations, command MIDI, video, disk and VTR, control of modem transmissions (in RTC, RNIS, NUMERIS, TRANSPAC, or by satellite). TV Tools takes full advantage of the Amiga's multi-tasking capability. TV Com, the transmission module of TV Tools, is available separately. NTSC/PAL. Amiga Centre Scotland, 4 Hart Street Lane, Edinburgh, Scotland EH1 3RN, (011) 4431-557-4242 £1600

## Universal Electronics URC-3000 Infrared Command Center

The URC-3000 is a Universal Electronics Inc. product sold by Geodesic for AIR window users. This device is an IR Receiver to X-10 PowerHouse command center. Up to 16 different X-10 modules can be controlled with ON, OFF, DIM, or BRIGHT. The AIR window for this device is included in all AirLink AIR libraries. The URC-3000 allows AIR windows to control X-10 modules via the second joystick port or parallel port, leaving the serial port free for MIDI, modems, etc. Geodesic Publications, P.O. Box 956068, Duluth, GA 30136, (404) 822-0566. \$30

## Video Toaster 2.0

The new 2.0 system software is over twice the size of the original shipping system and contains 50% more effects. New modes include real-time warping, soft-edge transitions, and organic effects like clouds, pouring liquid, fire, tearing paper, and breaking glass. The 2.0 software brings enhancements to every part of the Toaster including a completely revised object modeler, faster rendering along with over 100 new features in LightWave, a sharper luminance key mode that eliminates the edging commonly associated with keys, improved output specifications, new fonts, more objects, and a new alpha channel mode that will enable the frame buffers to be used for 32-bit applications. The new ToasterCG features almost instant loading of text screens, more scrolling speeds, and greater integration between ToasterPaint and ToasterCG, allowing them to share images in memory. Upgrades are available for \$395. NewTek, 215 E. 8th Street, Topeka, KS 66603, (913) 354-1146 \$2495

## Vikings Fields of Conquest

A one-to-six player, 199 territory land conquest game. Beautifully detailed graphics and superb gameplay unmatched by any other Vikings style map game. Flotillas, armies, castles, catapults, and seven different troop types are available for your command in an attempt to become the sole ruler and King of England and save it from the Viking invasion. Requires 1MB RAM, and one drive. Viking also uses the full power of the Amiga and therefore uses 64-color Extra-HalfBrite mode, so on some older A1000's it may not run. Fully compatible with 2.0 as well as 1.2 and 1.3. Realism Entertainment, 6n522 Pine Street, Bensenville, IL 60106, (708) 595-7487. \$59.99

## VXL 30

An advanced technology 68030 accelerator for the Amiga 500 with optional hardware floating point and 32-bit wide, burst-mode memory. A cost-effective, high-quality solution to convert 7MHz, 68000-based Amiga 500's into high-speed, 32-bit systems utilizing Motorola's advanced 68030 or 680EC30 microprocessor and its companion math chip, the 68882. The VXL system accepts an optional 32-bit RAM board carrying 2MB or 8MB of Fast Page Mode RAM designed to permit the processor to operate in its high-speed burst mode. Prices: with 25MHz 680EC30—\$399, with 40MHz 680EC30—\$629, with regular 68030 at 25—\$799, at 50MHz—\$949; VXL RAM-32 with 2MB of 60ns, Fast Page Mode DRAM installed: \$379. Non-burst, 2MB, 32-bit version of VXL RAM-32: \$299. 25MHz 68882 Math Co-processor and Oscillator kit: \$200. MicroBotics, Inc., 1251 American Parkway, Richardson, TX 75081 (214) 437-5330

## Worldwide Maps

Product code MGLD.502. Over 240 files of maps of the 50 states and Puerto Rico, the United States, and the World, area maps of every continent including text and color political maps of major areas. All maps are 640 x 400 or 704 x 480 format. Also includes a Weathermap Construction Kit with weather symbols and U.S. Maps with matching palettes. This is the companion set to More Worldwide Maps. Digital Designs Group, P.O. Box 593, MDG Studio II, Hwy. 701, Whiteville, NC 28472, (919) 642-6295 \$49.95

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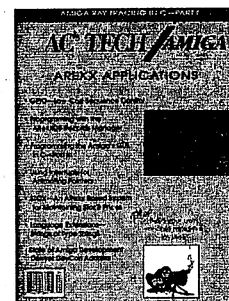
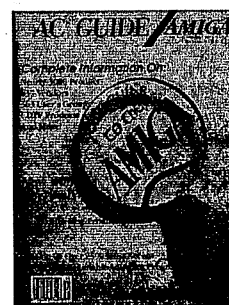
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☐ 12. hard drive ☐ 16. music tool  
☐ 13. IBM emulators ☐ 17. video product  
☐ 14. printer ☐ 18. accelerator  
☐ 19. other (please specify): \_\_\_\_\_
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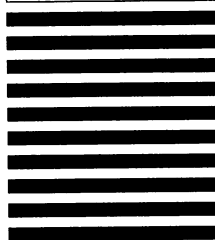
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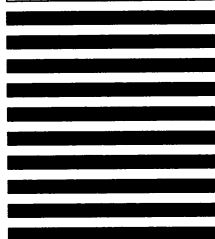
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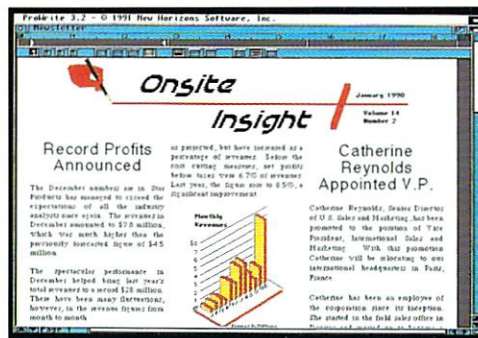
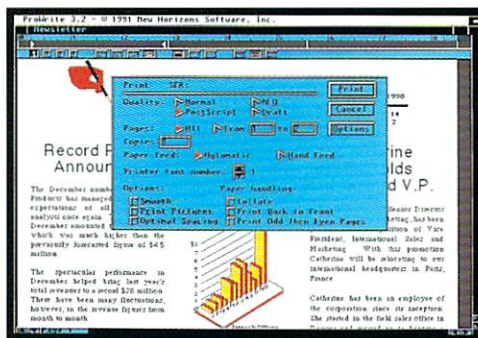
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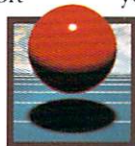
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